# Location Maps and List of U.S. Geological Survey Reports on Water Resources in Alaska 1950 to 1995

By Elisabeth F. Snyder

U.S. GEOLOGICAL SURVEY

Open-File Report 96-335



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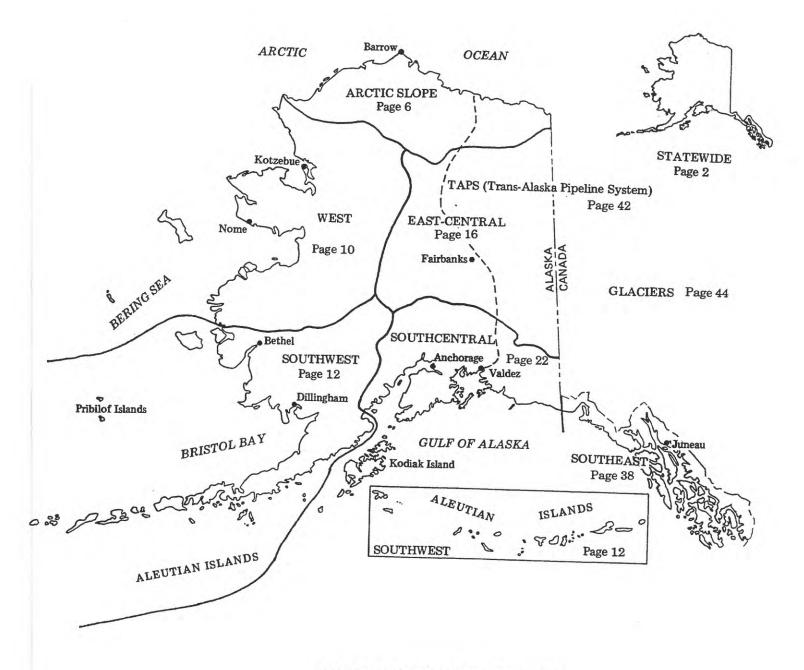
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Location Maps and List of U.S. Geological Survey Reports on Water Resources in Alaska, 1950 to 1995

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INTRODUCTION

This compilation lists water-resources reports in Alaska indexed by location. For the purposes of this report, Alaska has been divided into six geographic sections: Arctic Slope, West, Southwest, East-Central, Southcentral, and Southeast (see index to location maps on facing page). In addition to the geographic sections, reports are cited in the following categories: Statewide, Trans-Alaska Pipeline System, and Glaciers. The numbers on the location maps refer to the bibliographic citations. The Statewide reports are not numbered and are not located on maps. Gaps have been left in the numbering system for additional citations in future editions of this compilation.

Reports cited were written mainly by authors of the Water Resources Division, Alaska District. Included are selected reports published between 1950 and 1970, all reports published by the Water Resources Division from 1971 to December 1995, and a few that were published in early 1996. Some of the reports were published by other Geological Survey divisions. Selected journal articles and papers published in conference proceedings are also included. This report supersedes U.S. Geological Survey Open-File Report 91-60, published in 1991.

To obtain copies of the reports cited or a digital version of this bibliography, contact the District Chief, U.S. Geological Survey, 4230 University Drive, Suite 201, Anchorage, AK 99508-4664.

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#### STATEWIDE REPORTS

# **Water Resources and Supply**

- Balding, G.O., 1976, Water availability, quality, and use in Alaska: U.S. Geological Survey Open-File Report 76-513, 236 p.
- Dearborn, L.L., 1981, Potential and developed water-supply sources in Alaska: Alaska Geological Society Journal, v. 1, p. 1-11.
- Feulner, A.J., Childers, J.M., and Norman, V.W., 1971, Water resources of Alaska: U.S. Geological Survey Open-File Report, 60 p.
- Marcher, M.V., 1965, A summary of water-supply problems in Alaska, *in* Proceedings of the 15th Alaskan Science Conference, College: Science Alaska, p. 375-379.
- Patrick, L.D., 1984, Is a water-use information program useful to Alaska? *in* "Alaska's water—A critical resource," Proceedings, Alaska Section, American Water Resources Association: Institute of Water Resources, University of Alaska, Fairbanks, Report IWR-106, p. 214-218.
- Patrick, L.D., Snyder, E.F., and Harle, M.L., 1990, Alaska water supply and use, *in* U.S. Geological Survey National water summary 1987—Hydrologic events and water supply and use: U.S. Geological Survey Water-Supply Paper 2350, p. 149-156.
- Snyder, E.F., 1993, Cold regions **hydrology** of Alaska: National Geographic Society, Research & Exploration, v. 9, p. 98-113.

#### **Surface Water**

- Berwick, V.K., Childers, J.M., and Kuentzel, M.A., 1964, Magnitude and frequency of **floods** in Alaska south of the Yukon River: U.S. Geological Survey Circular 493, 15 p. [1965].
- Brabets, T.P., 1996, Evaluation of the **streamflow-gaging network** of Alaska in providing regional streamflow information: U.S. Geological Survey Water-Resources Investigations Report 96-4001, 73 p.
- Childers, J.M., 1970, Flood frequency in Alaska: U.S. Geological Survey Open-File Report, 30 p.
- Childers, J.M., 1970, A proposed **streamflow-data** program for Alaska: U.S. Geological Survey Open-File Report, 55 p.
- Childers, J.M., 1978, River **floods** in northern Alaska, *in* Volume 1, Proceedings, Conference on Applied Techniques for Cold Environments, Cold Regions Specialty Conference, Anchorage, May 17-19, 1978: American Society of Civil Engineers, p. 1-12.
- Jones, S.H., 1983, **Floods** from small drainage basins in Alaska: U.S. Geological Survey Open-File Report 83-258, 60 p.
- Jones, S.H. and Fahl, C.B., 1994, Magnitude and frequency of **floods** in Alaska and conterminous basins of Canada: U.S. Geological Survey Water-Resources Investigations Report 93-4179, 122 p. + 2 plates.
- Lamke, R.D., 1978, Flood characteristics of Alaskan streams: U.S. Geological Survey Water-Resources Investigations 78-129, 61 p.

- Lamke, R.D., 1984, Cost-effectiveness of the **stream-gaging** program in Alaska: U.S. Geological Survey Water-Resources Investigations Report 84-4096, 100 p.
- Lamke, R.D., 1986, Alaska surface-water resources, *in* U.S. Geological Survey, National water summary 1985—Hydrologic events and surface-water resources: U.S. Geological Survey Water-Supply Paper 2300, p. 137-144.
- Lamke, R.D., 1991, Alaska **floods** and droughts, *in* U.S. Geological Survey, National water summary 1988-89—Hydrologic events and floods and droughts: U.S. Geological Survey Water-Supply Paper 2375, p. 171-180.
- Madison, R.J., 1981, Effects of placer mining on hydrologic systems in Alaska—Status of knowledge: U.S. Geological Survey Open-File Report 81-217, 25 p.
- Norman, V.W., 1975, **Scour** at selected bridge sites, Alaska: U.S. Geological Survey Water-Resources Investigations 32-75, 160 p.
- Parks, Bruce, and Lamke, R.D., 1984, Estimating **peak flow** from channel widths in Alaska, *in* "Alaska's water—A critical resource," Proceedings, Alaska Section, American Water Resources Association: Institute of Water Resources, University of Alaska, Fairbanks, Report IWR-106, p. 107-122.
- Parks, Bruce, and Madison, R.J., 1985, Estimation of selected flow and water-quality characteristics of Alaskan streams: U.S. Geological Survey Water-Resources Investigations Report 84-4247, 64 p.
- Rickman, R.L., 1993, Alaska stream water quality, in U.S. Geological Survey, National water summary 1990-91—Hydrologic events and stream water quality: U.S. Geological Survey Water-Supply Paper 2400, p. 163-170.
- Snyder, E.F., 1992, The U.S. Geological Survey **stream-gaging** program in Alaska: U.S. Geological Survey Open-File Report 92-106, 1 p. [Fact Sheet].
- Still, P.J., and Cosby, J.M., 1989, Alaska index: Streamflow, lake levels, and water-quality records to September 30, 1988: U.S. Geological Survey Open-File Report 89-269, 189 p.

#### **Ground Water**

- Brunett, J.O., 1986, Ground-water levels in Alaska, water year 1983: U.S. Geological Survey Open-File Report 86-56, 229 p.
- Cederstrom, D.J., 1952, Summary of ground-water **development** in Alaska: U.S. Geological Survey Circular 169, 37 p.
- Feulner, A.J., 1964, Galleries and their use for **development** of shallow ground-water supplies, with special reference to Alaska: U.S. Geological Survey Water-Supply Paper 1809-E, p. E1-E16.
- Madison, R.J., McElhone, T.J., and Zenone, Chester, 1988, Alaska ground-water quality: U.S. Geological Survey Open-File Report 87-712, 8 p.
- Nelson, G.L., and Munter, J.A., 1990, **Ground water**, *in* Ryan, W.L., and Crissman, R.D., eds., Cold Regions Hydrology and Hydraulics, American Society of Civil Engineers Monograph, p. 317-348.

- Sloan, C.E., Emery, P.A., and Zenone, Chester, 1985, Alaska ground-water **resources**, *in* U.S. Geological Survey, National water summary 1984, Hydrologic events, selected water-quality trends, and ground-water resources: U.S. Geological Survey Water-Supply Paper 2275, p. 129-132.
- Still, P.J., and Brunett, J.O., 1987, Ground-water levels in Alaska, water year 1984: U.S. Geological Survey Open-File Report 87-230, 308 p.
- Waller, R.M., 1961, Summary of ground-water **conditions** in Alaska as they affect private water supplies: U.S. Geological Survey and Alaska Department of Health Hydrological Data Report Report 11, 2 p.
- Zenone, Chester, and Anderson, G.S., 1978, Summary appraisal of the Nation's ground-water resources—Alaska: U.S. Geological Survey Professional Paper 813-P, 28 p. (reprinted 1981).

# **Permafrost and Snow**

- Cederstrom, D.J., Johnson, P.M., and Subitsky, Seymour, 1953, Occurrence and development of ground water in permafrost regions: U.S. Geological Survey Circular 275, 30 p.
- Ferrians, O.J., Jr., compiler, 1965, Permafrost **map** of Alaska: U.S. Geological Survey Miscellaneous Geologic Investigations Map I-445 (reprinted 1981).
- Hopkins, D.M., Karlstrom, T.N.V., and others, 1955, Permafrost and ground water in Alaska: U.S. Geological Survey Professional Paper 264-F, p. 113-146.
- Sloan, C.E., and van Everdingen, R.O., 1988, Region 28, **Permafrost** region, *in* Back, W., Rosenshein, J.S., and Seaber, P.R., eds., Hydrogeology: Boulder, Colorado, Geological Society of America, The Geology of North America, v. O-2, p. 263-270.
- Trabant, D.C., Armstrong, R.L., and McClung, D.M., 1990, Snow avalanches, *in* Ryan, W.L., and Crissman, R.D., eds., Cold Regions Hydrology and Hydraulics, American Society of Civil Engineers, Technical Council on Cold Regions Engineering Monograph, p. 147-176.
- Trabant, D.C., and Clagett, G.P, 1990, Measurement and evaluation of **snowpacks**, *in* Ryan, W.L., and Crissman, R.D., eds., Cold Regions Hydrology and Hydraulics, American Society of Civil Engineers, Technical Council on Cold Regions Engineering Monograph, p. 39-93.
- Williams, J.R., 1970, **Ground water** in permafrost regions of Alaska: U.S. Geological Survey Professional Paper 696, 83 p.

## **Water Resources Data Reports**

Water resources data for Alaska were published annually by the U.S. Geological Survey from 1957-76 in the following Water-Supply Papers (WSP).

U.S. Geological Survey, 1957-62, Quantity and quality of surface waters of Alaska:

Through 1950 WSP 1372	1958WSP 1570
1950-53 WSP 1466	1959 WSP 1640
1953-56 WSP 1486	1960WSP 1720
1957 WSP 1500	

U.S. Geological Survey, 1963-72, **Ground-water levels** in the United States, northwestern states:

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1956-60 ..... WSP 1760
1961-65 ..... WSP 1845
1966-70 ..... WSP 1980
```

U.S. Geological Survey, 1965-76, Quality of surface waters of Alaska:

1961-63 WSP 1953	1967WSP 2016
1964 WSP 1959	1968 WSP 2100
1965 WSP 1966	1969WSP 2150
1966 WSP 1996	1970WSP 2160

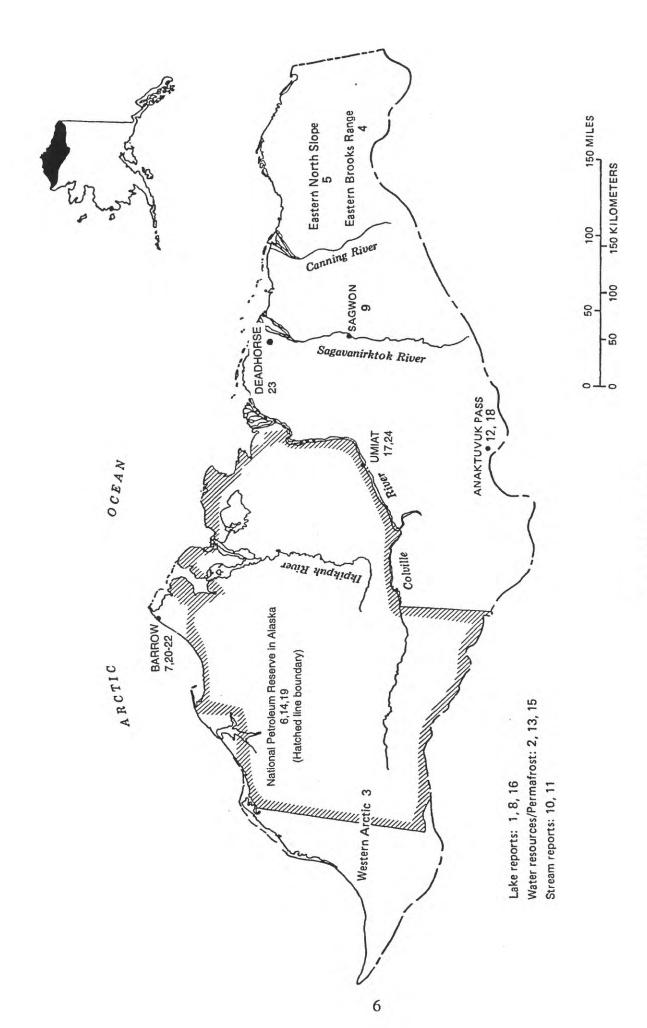
U.S. Geological Survey, 1971 and 1976, Surface water supply of the United States, 1961-70, Part 15, Alaska: U.S. Geological Survey Water-Supply Papers 1936 and 2136.

In 1972, a series of Water-Data Reports was started, which merged all water-resources data:

- U.S. Geological Survey, 1972-75, **Water resources** data for Alaska, 1971-74, Part 1, Surface water records. Part 2, Water-quality records: U.S. Geological Survey Water-Data Reports AK-71 to AK-74 (published annually).
- U.S. Geological Survey, 1976-96, **Water resources** data for Alaska, water years 1975-95: U.S. Geological Survey Water-Data Reports AK-75-1 to AK-95-1 (published annually).

# **Bibliographies**

- Feulner, A.J., and Reed, K.M., 1977, Bibliography of **reports** by members of the U.S. Geological Survey on the water resources of Alaska, 1870 through 1976: U.S. Geological Survey Open-File Report 77-687, 112 p.
- Lemke, K.J., May, B.A., and Vanderpool, A.M., 1995, Bibliography for Hayes, Spurr, Crater Peak, Redoubt, Iliamna, Augustine, Douglas, and Aniakchak **Volcanoes**, Alaska: U.S. Geological Survey Open-File Report 95-435, 32 p.
- Scott, K.M., 1979, **Arctic stream processes**—An annotated bibliography: U.S. Geological Survey Water-Supply Paper 2065, 78 p.
- Snyder, E.F., 1996, Bibliography of **glacier studies** by the U.S. Geological Survey: U.S. Geological Survey Open-File Report 95-723, 35 p.
- U.S. Geological Survey, 1986, **List** of U.S. Geological Survey geologic and water-supply reports and maps for Alaska: U.S. Geological Survey catalog, 355 p.
- Williams, J.R., 1965, **Ground water in permafrost regions**—An annotated bibliography: U.S. Geological Survey Water-Supply Paper 1792, 294 p.

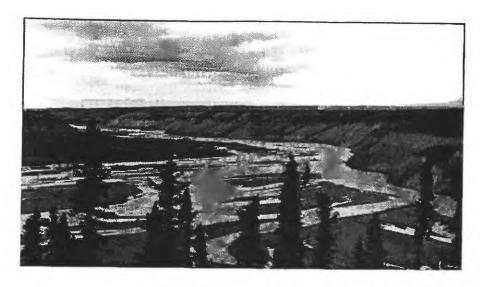


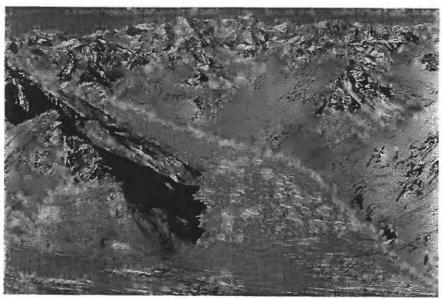
ARCTIC SLOPE

# **ARCTIC SLOPE REPORTS**

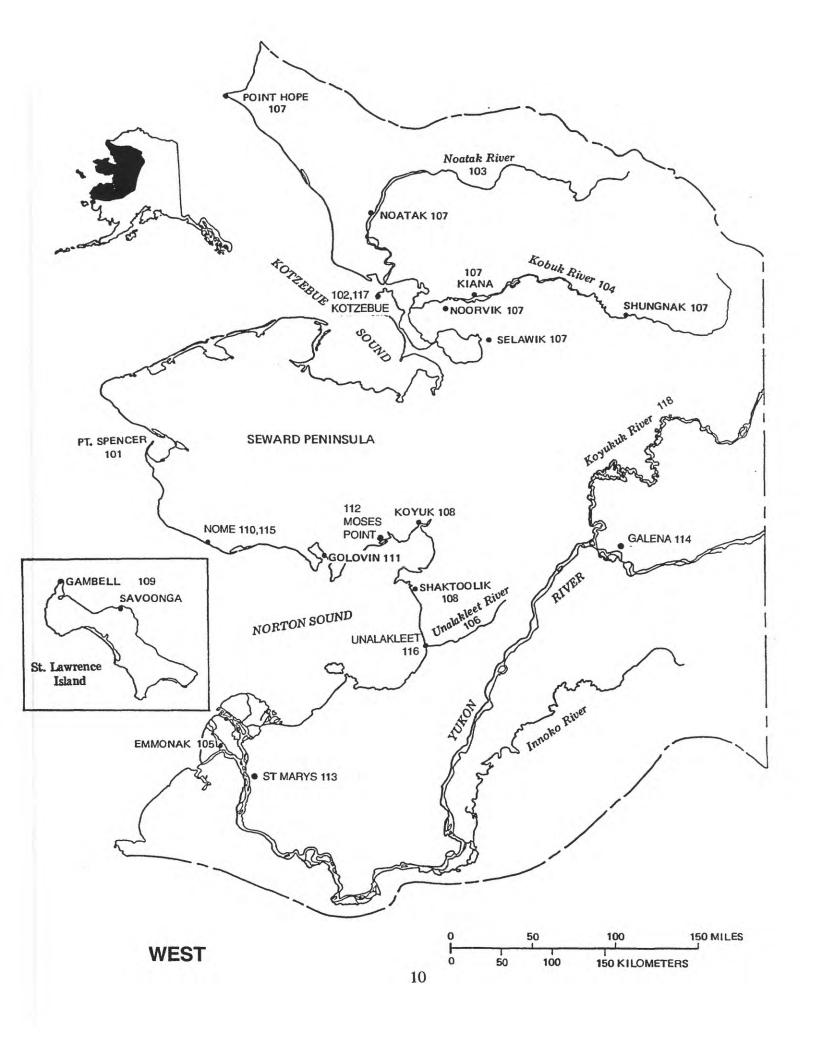
- Brewer, M.C., 1958, The thermal regime of an **Arctic lake**: Transactions of the American Geophysical Union, v. 39, no. 2, p. 278-284.
- Brewer, M.C., 1958, Some results of geothermal investigations of **permafrost** in northern Alaska: Transactions of the American Geophysical Union, v. 39, no. 1, p. 19-25.
- 3 Childers, J.M., Kernodle, D.R., and Loeffler, R.M., 1979, Hydrologic reconnaissance of western Arctic Alaska, 1976 and 1977: U.S. Geological Survey Open-File Report 79-699, 68 p.
- 4 Childers, J.M., Sloan, C.E., and Meckel, J.P., 1973, Hydrologic reconnaissance of streams and springs in **eastern Brooks Range**, Alaska, July 1972: U.S. Geological Survey Open-File Report, 25 p.
- 5 Childers, J.M., Sloan, C.E., Meckel, J.P., and Nauman, J.W., 1977, Hydrologic reconnaissance of the **eastern North Slope**, Alaska, 1975: U.S. Geological Survey Open-File Report 77-492, 65 p.
- 6 Glude, W.J., and Sloan, C.E., 1980, Reconnaissance snow survey of the National Petroleum Reserve in Alaska, April-May 1979: U.S. Geological Survey Water-Resources Investigations 80-49, 13 p.
- Jones, S.H., 1972, Surface-water investigations at **Barrow**, Alaska: U.S. Geological Survey Open-File Report, 16 p.
- 8 McCoy, G.A., 1983, Nutrient limitation in two **Arctic lakes**, Alaska: Canadian Journal of Fisheries and Aquatic Sciences, v. 40, no. 8, p. 1195-1202.
- 9 Nauman, J.W., and Kernodle, D.R., 1975, The effect of a fuel oil spill on benthic invertebrates and water quality on the Alaskan Arctic Slope—Happy Valley Creek, near **Sagwon**: U.S. Geological Survey Journal of Research, v. 3, no. 4, p. 495-500.
- Scott, K.M., 1978, Effects of permafrost on **stream channel** behavior in Arctic Alaska: U.S. Geological Survey Professional Paper 1068, 19 p.
- Scott, K.M., 1979, Arctic stream processes—An annotated bibliography: U.S. Geological Survey Water-Supply Paper 2065, 78 p.
- Sloan, C.E., 1972, Water-resources reconnaissance of **Anaktuvuk Pass**, Alaska: U.S. Geological Survey Open-File Report, 12 p.
- Sloan, C.E., 1987, Water resources of the North Slope, Alaska, *in* Irv Tailleur and Paul Weimer, eds., 1987, Alaskan North Slope Geology: Pacific Section, SEPM and Alaska Geological Society, v. 50, p. 233-252.
- Sloan, Charles, Trabant, Dennis, and Glude, William, 1979, Reconnaissance snow surveys of the National Petroleum Reserve in Alaska, April 1977 and April-May 1978: U.S. Geological Survey Water-Resources Investigations/Open-File Report 79-1342, 31 p.
- U.S. Geological Survey, 1969, **Water resources** of the Arctic Slope Region, Alaska—Preliminary report: U.S. Geological Survey Open-File Report, 31 p.
- Walker, K.M., York, James, Murphy, Dennis, and Sloan, C.E., 1986, Digital data base of lakes on the North Slope, Alaska: U.S. Geological Survey Water-Resources Investigations Report 86-4143, 13 p.

- Williams, J.R., 1970, A review of water resources of the **Umiat** area, northern Alaska: U.S. Geological Survey Circular 636, 8 p.
- Seitz, H.R., 1991, Hydrologic conditions at **Anaktuvuk Pass**, Alaska, 1989: U.S. Geological Survey Open-File Report 90-591, 13 p.
- Brunett, J.O., Solin, G.L., Carr, M.R., Glass, R.L., Nelson, G.L., and Buchmiller, R.C., 1992, Water-quality and soil assessment at 28 exploratory well sites in the National Petroleum Reserve in Alaska, 1989-90: U.S. Geological Survey Open-File Report 91-458, 118 p., 108 pl., 13 diskettes.
- 20 McCarthy, K.A., 1994, Environmental overview and hydrogeologic conditions at Barrow, Alaska: U.S. Geological Survey Open-File Report 94-322, 17 p.
- 21 McCarthy, K.A., Solin, G.L., and Trabant, D.C., 1994, Assessment of the hydrologic interaction between Imikpuk Lake and the adjacent airstrip site near Barrow, Alaska, 1993: U.S. Geological Survey Open-File Report 94-367, 27 p.
- McCarthy, K.A., and Solin, G.L., 1995, Assessment of the subsurface hydrology of the UIC-NARL main camp, near **Barrow**, Alaska, 1993-94: U.S. Geological Survey Open-File Report 95-737, 23 p.
- Dorava, J.M., and Alcorn M.G., 1995, Overview of environmental and hydrogeologic conditions at **Deadhorse**, Alaska: U.S. Geological Survey Open-File Report 95-437, 11 p.
- 24 Cowan, J.R., 1995, Overview of environmental and hydrogeologic conditions at Umiat, Alaska: U.S. Geological Survey Open-File Report 95-350, 14 p.



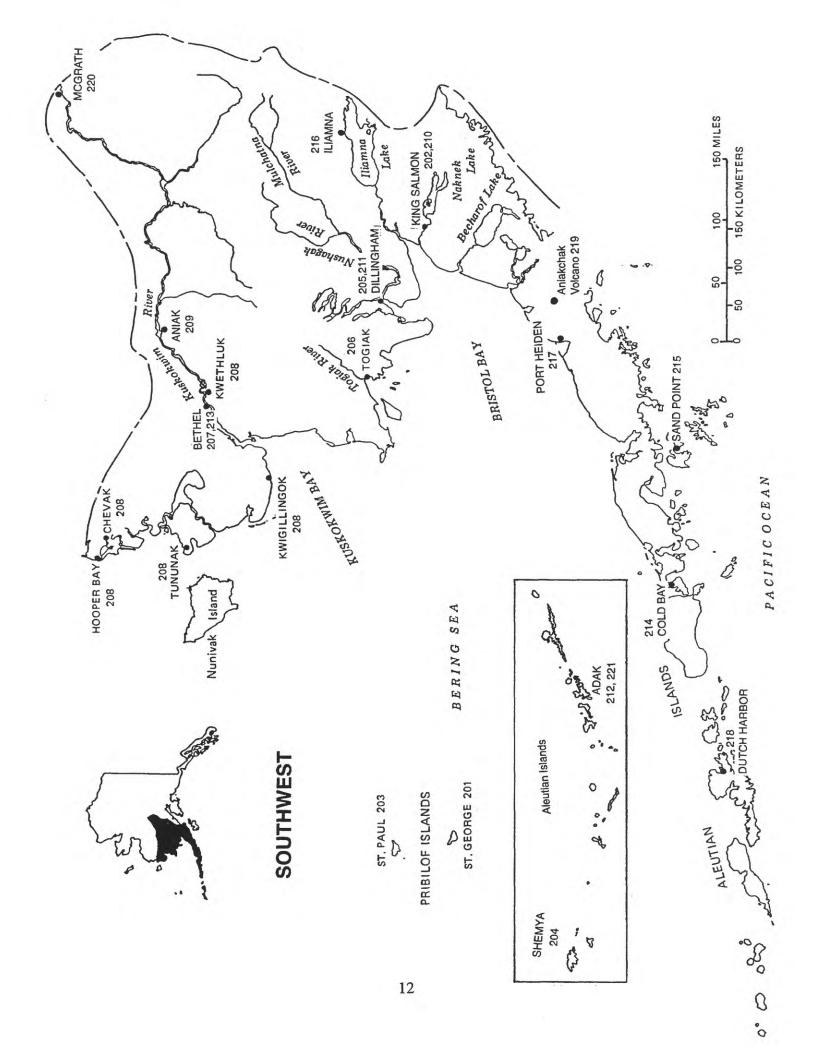






## **WEST REPORTS**

- 101 Black, R.F., 1956, Permafrost, water supply, and engineering geology of **Point Spencer** spit, Seward Peninsula, Alaska: Arctic, v. 11, no. 2, p. 108-116.
- 102 Cederstrom, D.J., 1961, Origin of a salt-water lens in permafrost at **Kotzebue**, Alaska: Geological Society of America Bulletin, v. 72, no. 9, p. 1427-1432.
- 103 Childers, J.M., and Kernodle, D.R., 1981, Hydrologic reconnaissance of the Noatak River basin, Alaska, 1978: U.S. Geological Survey Water-Resources Investigations 81-1005, 38 p.
- 104 Childers, J.M., and Kernodle, D.R., 1983, Reconnaissance of surface-water resources in the **Kobuk River** basin, Alaska, 1979-80: U.S. Geological Survey Water-Resources Investigations Report 83-4027, 35 p.
- Feulner, A.J., 1970, Water-resources reconnaissance of the Kwiguk (**Emmonak**) area, Alaska: U.S. Geological Survey Open-File Report, 8 p.
- Sloan, C.E., Kernodle, D.R., and Huntsinger, Ronald, 1986, Hydrologic reconnaissance of the Unalakleet River basin, Alaska, 1982-83: U.S. Geological Survey Water-Resources Investigations Report 86-4089, 18 p.
- Waller, R.M., 1958, Ground-water reconnaissance of six Eskimo villages in the Kobuk-Noatak area, Alaska: U.S. Geological Survey and Alaska Department of Health Hydrological Data Report 4, 8 p. (Kiana, Noatak, Noorvik, Point Hope, Selawik, Shungnak).
- Waller, R.M., 1958, Ground-water reconnaissance of Koyuk and Shaktoolik villages, Alaska: U.S. Geological Survey and Alaska Department of Health Hydrological Data Report 7, 10 p.
- Waller, R.M., 1959, Water-resource reconnaissance of Gambell and Savoonga villages, St. Lawrence Island, Alaska: U.S. Geological Survey and Alaska Department of Health Hydrological Data Report 6, 14 p.
- Waller, R.M., and Mathur, S.P., 1962, Data on water supplies at Nome, Alaska: U.S. Geological Survey and Alaska Department of Health Hydrological Data Report 17, 12 p.
- Weeks, J.B., 1970, Water-resources reconnaissance of the Golovin area, Alaska: U.S. Geological Survey Open-File Report, 10 p.
- Dorava, J.M., Ayres, R.P. and Sisco, W.C., 1994, Environmental overview and hydrogeologic conditions at **Moses Point**, Alaska: U.S. Geological Survey Open-File Report 94-310, 11 p.
- 113 Nakanishi, A.S., and Dorava, J.M., 1994, Environmental overview and hydrogeologic conditions at **Saint Marys**, Alaska: U.S. Geological Survey Open-File Report 94-481, 13 p. + appendix.
- 114 Nakanishi, A.S., and Dorava, J.M., 1994, Environmental overview and hydrogeologic conditions at **Galena**, Alaska: U.S. Geological Survey Open-File Report 94-525, 18 p. + appendixes.
- Dorava, J.M., 1995, Overview of environmental and hydrogeologic conditions at **Nome**, Alaska: U.S. Geological Survey Open-File Report 95-178, 12 p.
- Dorava, J.M., 1995, Overview of environmental and hydrogeologic conditions at **Unalakleet**, Alaska: U.S. Geological Survey Open-File Report 95-347, 8 p.
- Dorava, J.M., 1995, Overview of environmental and hydrogeologic conditions at **Kotzebue**, Alaska: U.S. Geological Survey Open-File Report 95-349, 12 p.
- Meyer, D.F., 1995, Flooding in the Middle **Koyukuk River** Basin, Alaska, August 1994: U.S. Geological Survey Water-Resources Investigations Report 95-4118, 8 p. + 2 plates.



#### **SOUTHWEST REPORTS**

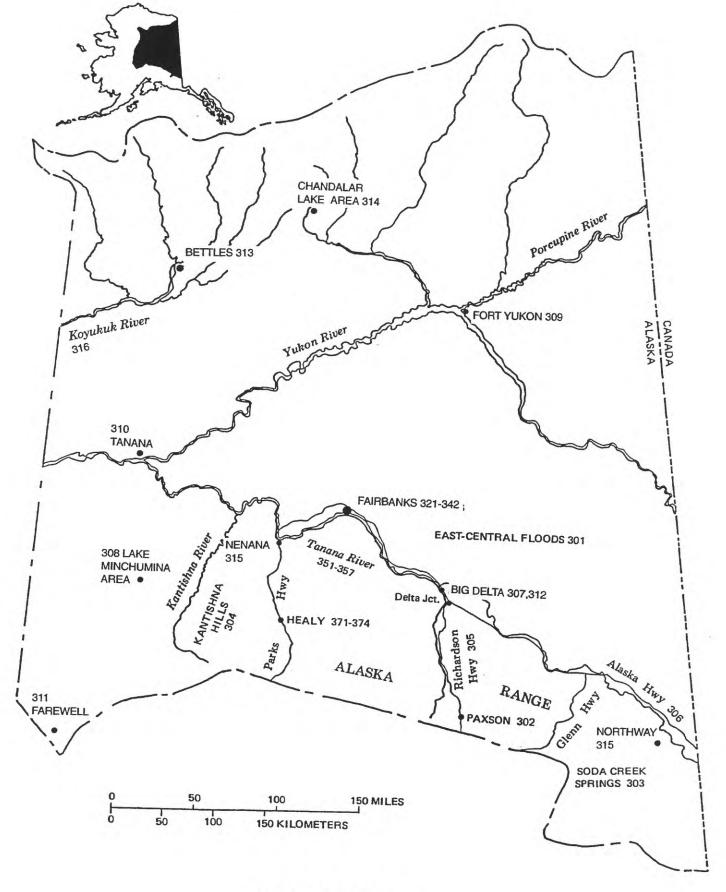
- 201 Anderson, G.S., 1976, Water-resources reconnaissance of **St. George Island**, Pribilof Islands, Alaska: U.S. Geological Survey Water-Resources Investigations 6-76, 15 p.
- Feulner, A.J., 1963, Data on wells in the **King Salmon** area, Alaska: U.S. Geological Survey and Alaska Department of Health Hydrological Data Report 24, 18 p.
- Feulner, A.J., 1980, Water-resources reconnaissance of the southeastern part of **St. Paul Island,** Pribilof Islands, Alaska: U.S. Geological Survey Water-Resources Investigations 80-61, 12 p.
- Feulner, A.J., Zenone, Chester, and Reed, K.M., 1976, Geohydrology and water supply, **Shemya Island**, Alaska: U.S. Geological Survey Open-File Report 76-82, 1 sheet.
- 205 Glass, R.L., 1987, Water resources near **Dillingham** in the Bristol Bay area, Alaska: U.S. Geological Survey Water-Resources Investigations Report 87-4141, 27 p.
- 206 Kernodle, D.R., Squires, R.R., and Childers, J.M., 1983, Reconnaissance of surface-water resources in the Togiak River basin, southwestern Alaska, 1980 and 1982: U.S. Geological Survey Water-Resources Investigations Report 83-4170, 24 p.
- Waller, R.M., 1957, Ground water and permafrost at **Bethel**, Alaska: U.S. Geological Survey and Alaska Department of Health Hydrological Data Report 2, 11 p.
- Waller, R.M., 1958, Ground-water reconnaissance of five Eskimo villages in the lower Kuskokwim-Yukon River area, Alaska: U.S. Geological Survey and Alaska Department of Health Hydrological Data Report 5, 11 p. (Chevak, Hooper Bay, Kwethluk, Kwigillingok, Tununak).
- 209 Dorava, J.M., 1994, Environmental overview and hydrogeologic conditions at **Aniak**, Alaska: U.S. Geological Survey Open-File Report 94-85, 17 p. + appendixes.
- Waythomas, C.F., 1994, Environmental overview and hydrogeologic conditions at **King Salmon**, Alaska: U.S. Geological Survey Open-File Report 94-323, 16 p.
- 211 Palcsak, B.B., and Dorava, J.M., 1994, Environmental overview and hydrogeologic conditions at **Dillingham**, Alaska: U.S. Geological Survey Open-File Report 94-482, 15 p.
- Waythomas, C.F., 1995, Surficial geologic map of northern **Adak Island**, Alaska: U.S. Geological Survey Open-File Report 95-128, 6 p. + plate.
- 213 Dorava, J.M., and Hogan, E.V., 1995, Overview of environmental and hydrogeologic conditions at **Bethel**, Alaska: U.S. Geological Survey Open-File Report 95-173, 17 p.
- 214 Rice, W.A., and Hogan, E.V., 1995, Overview of environmental and hydrogeologic conditions at Cold Bay, Alaska: U.S. Geological Survey Open-File Report 95-179, 33 p.
- 215 Cowan, J.R., 1995, Overview of environmental and hydrogeologic conditions at **Sand Point**, Alaska: U.S. Geological Survey Open-File Report 95-408, 9 p.

- 216 Hall, J.D., 1995, Overview of environmental and hydrogeologic conditions at **Iliamna**, Alaska: U.S. Geological Survey Open-File Report 95-346, 6 p.
- 217 Hogan, E.V., 1995, Overview of environmental and hydrogeologic conditions at **Port Heiden**, Alaska: U.S. Geological Survey Open-File Report 95-407, 7 p.
- 218 Lemke K.J., and Vanderpool A.G., 1995, Overview of environmental and hydrogeologic conditions at **Dutch Harbor**, Alaska: U.S. Geological Survey Open-File Report 95-411, 16 p.
- 219 Lemke, K.J., May, B.A., and Vanderpool, A.M., 1995, Bibliography for Hayes, Spurr, Crater Peak, Redoubt, Iliamna, Augustine, Douglas, and Aniakchak Volcanoes, Alaska: U.S. Geological Survey Open-File Report 95-435, 32 p.
- 220 Dorava, J.M., 1994, Environmental overview and hydrogeologic conditions at **McGrath**, Alaska: U.S. Geological Survey Open-File Report 94-119, 15 p. + appendixes.
- 221 Bradley, P.M., and Chapelle, F.H., 1995, Rapid toluene mineralization by aquifer microorganisms at **Adak**, Alaska—Implications for intrinsic bioremediation in cold environments: Environmental Science & Technology, v. 29, no. 11, p. 2778-2881.









**EAST-CENTRAL** 

#### **EAST-CENTRAL REPORTS**

- 301 Childers, J.M., Meckel, J.P., and Anderson, G.S., 1972, **Floods** of August 1967 in East-Central Alaska (With a section on weather features contributing to the floods, by E.D. Diemer): U.S. Geological Survey Water-Supply Paper 1880-A, p. A1-A77.
- Nauman, J.W., and Kernodle, D.R., 1975, Water-quality changes during a salmon run in an interior Alaskan stream: U.S. Geological Survey Journal of Research, v. 3, no. 1, p. 103-105 (Paxson area).
- 303 Richter, D.H., Lamarre, R.A., and Donaldson, D.E., 1973, Soda Creek Springs— Metamorphic water in the **Eastern Alaska Range**: U.S. Geological Survey Journal of Research, v. 1, no. 5, p. 523-528.
- Van Maanen, J.L., and Solin, G.L., 1988, Hydraulic and channel characteristics of selected streams in the **Kantishna Hills** area, Denali National Park and Preserve, Alaska, 1982-84: U.S. Geological Survey Open-File Report 88-325, 105 p.
- Waller, R.M., and Tolen, D.A., 1962, Data on wells and springs along the Richardson Highway, Alaska: U.S. Geological Survey and Alaska Department of Health Hydrological Data Report 16, 32 p.
- Waller, R.M., and Tolen, D.A., 1962, Data on wells along the Alaska Highway, Alaska: U.S. Geological Survey and Alaska Department of Health Hydrological Data Report 18, 26 p.
- 307 Wilcox, D.E., 1980, Geohydrology of the **Delta Clearwater** area, Alaska: U.S. Geological Survey Water-Resources Investigations 80-92, 26 p.
- 308 Hall, J.D., 1995, Overview of environmental and hydrogeologic conditions at Skwentna and Minchumina, Alaska: U.S. Geological Survey Open-File Report 95-438, 31 p.
- 309 Nakanishi, A.S., and Dorava, J.M., 1994, Environmental overview and hydrogeologic conditions at Fort Yukon, Alaska: U.S. Geological Survey Open-File Report 94-526, 18 p. + appendixes.
- 310 Nakanishi, A.S., and Dorava, J.M., 1994, Environmental overview and hydrogeologic conditions at **Tanana**, Alaska: U.S. Geological Survey Open-File Report 94-527, 16 p. + appendixes.
- 311 Dorava, J.M., and Hall, J.D., 1995, Overview of environmental and hydrogeologic conditions at **Farewell**, Alaska: U.S. Geological Survey Open-File Report 95-175, 9 p.
- Nelson, G.L., 1995, Overview of environmental and hydrogeologic conditions near **Big Delta**, Alaska: U.S. Geological Survey Open-File Report 95-180, 11 p.
- 313 Cowan J.R, 1995, Overview of environmental and hydrogeologic conditions at **Bettles** Field, Alaska: U.S. Geological Survey Open-File Report 95-343, 10 p.
- 314 Cowan, J.R., 1995, Overview of environmental and hydrogeologic conditions at **Chandalar** Lake, Alaska: U.S. Geological Survey Open-File Report 95-348, 9 p.
- Hogan, E.V., 1995, Overview of environmental and hydrogeologic conditions at seven Federal Aviation Administration sites in interior Alaska: U.S. Geological Survey Open-File Report 95-341, 50 p. (Nenana, Northway).
- Meyer, D. F., 1995, Flooding in the Middle Koyukuk River Basin, Alaska, August 1994: U.S. Geological Survey Water-Resources Investigations Report 95-4118, 8 p. + 2 plates.

#### **Fairbanks Area**

- 321 Cederstrom, D.J., 1963, Water resources of the Fairbanks area, Alaska: U.S. Geological Survey Water-Supply Paper 1590, 84 p.
- 322 Cederstrom, D.J., and Péwé, T.L., 1960, Ground-water data, Fairbanks, Alaska: U.S. Geological Survey and Alaska Department of Health Hydrological Data Report 9, 28 p.
- 323 Cederstrom, D.J., and Tibbitts, G.C., Jr., 1961, **Jet drilling** in the Fairbanks area, Alaska: U.S. Geological Survey Water-Supply Paper 1539-B, p. B1-B28.
- 324 Childers, J.M., and Meckel, J.P., 1967, **Flood of August 1967** at Fairbanks, Alaska: U.S. Geological Survey Hydrologic Investigations Atlas HA-294.
- Feulner, A.J., 1961, Data on wells at **Ladd Air Force Base**, Alaska: U.S. Geological Survey and Alaska Department of Health Hydrological Data Report 13, 41 p.
- 326 Nelson, G.L., 1978, **Hydrologic information** for land-use planning, Fairbanks vicinity, Alaska: U.S. Geological Survey Open-File Report 78-959, 47 p.
- Hopkins, G.C., and Maxwell, K.F., 1985, Arsenic, nitrate, iron, and hardness in ground water, Goldstream Road, Yankovich Road, and Murphy Dome Road areas (T. 1N., R. 2W., FM) Fairbanks, Alaska: U.S. Geological Survey Open-File Report 85-341, 1 sheet.
- Johnson, P.R., Wilcox, D.E., Morgan, W.D., Merto, Josephine, and McFadden, Ruth, 1978, Arsenic, nitrate, iron, and hardness in ground water, Fairbanks area, Alaska: U.S. Geological Survey Open-File Report 78-1034, 1 sheet.
- 329 Krumhardt, A.P., 1980, Arsenic, nitrate, iron, and hardness in ground water, **Chena Ridge** vicinity, Fairbanks, Alaska: U.S. Geological Survey Open-File Report 80-49, 1 sheet.
- 330 Krumhardt, A.P., 1982, Arsenic, nitrate, iron, and hardness in ground water, **Chena Hot Springs Road, Steele Creek Road,** and **Gilmore Trail** areas, (T. 1N., R. 1E., FM) Fairbanks, Alaska: U.S. Geological Survey Open-File Report 82-356, 2 sheets.
- 331 Krumhardt, A.P., 1982, Hydrologic information for land-use planning, Badger Road area, Fairbanks, Alaska: U.S. Geological Survey Water-Resources Investigations 82-4097, 14 p.
- McCoy, G.A., 1974, Preconstruction assessment of biological quality of the Chena and Little Chena Rivers in the vicinity of the Chena Lakes Flood Control Project near Fairbanks, Alaska: U.S. Geological Survey Water-Resources Investigations 29-74, 84 p.
- 333 Flynn, D.M., 1985, Hydrology and geochemical processes of a sub-arctic landfill, Fairbanks, Alaska: Basic data: U.S. Geological Survey Open-File Report 85-195, 41 p.

- Downey, J.S., and Sinton, P.O., 1990, Geohydrology and ground-water geochemistry at a sub-arctic **landfill**, Fairbanks, Alaska: U.S. Geological Survey Water-Resources Investigations Report 90-4022, 25 p.
- Péwé, T.L., and Bell, J.W., 1975, Maps showing distribution of **permafrost** in the following Fairbanks quadrangles, Alaska:
  - D-2 NW U.S. Geological Survey Miscellaneous Field Studies Map MF-668-A
  - D-2 SE U.S. Geological Survey Miscellaneous Field Studies Map MF-669-A
  - D-2 NE U.S. Geological Survey Miscellaneous Field Studies Map MF-670-A
  - D-2 SW U.S. Geological Survey Miscellaneous Field Studies Map MF-671-A
- Péwé, T.L., and Bell, J.W., 1975, Maps showing distribution of **ground-water conditions** in the following Fairbanks quadrangles, Alaska:
  - D-2 NW U.S. Geological Survey Miscellaneous Field Studies Map MF-668-B
  - D-2 SE U.S. Geological Survey Miscellaneous Field Studies Map MF-669-B
  - D-2 NE U.S. Geological Survey Miscellaneous Field Studies Map MF-670-B
  - D-2 SW U.S. Geological Survey Miscellaneous Field Studies Map MF-671-B
- 337 Hawkins, D.B., 1995, Environmental overview and hydrogeologic conditions at **Federal Aviation Administration facilities** near Fairbanks, Alaska: U.S. Geological Survey
  Open-File Report 95-172, 11 p.
- 338 Kriegler, A.T., and Lilly, M.R., 1995, Water-elevation, stream-discharge, and ground-water quality data in the **Alaska Railroad Industrial area**, Fairbanks, Alaska, May 1993 to May 1995: U.S. Geological Survey Open-File Report 95-364, 247 p. + plate.
- 339 Claar, D.V., and Lilly, M.R., 1995, Ground-water and surface-water elevations in the **Fairbanks International Airport area**, Alaska, 1990-94: U.S. Geological Survey Open-File Report 95-382, 155 p. + 2 plates.
- 340 Lilly, M.R., DePalma, K.L., and Benson, S.L., 1995, Selected environmental and geohydrologic reports for the Fort Wainwright and Fairbanks areas, Alaska, as of July 1995: U.S. Geological Survey Open-File Report 95-420, 35 p.
- 341 Lilly, M.R., McCarthy, K.A., Kriegler, A.T., Vohden, James, and Burno, G.E., 1996, Compilation and preliminary interpretations of hydrologic and water-quality data from the Railroad Industrial area, Fairbanks, Alaska, 1993-94: U.S. Geological Survey Water-Resources Investigations Report 96-4049, 45 p. + appendixes.
- Glass, R.L., Lilly, M.R., and Meyer, D.F., 1996, Ground-water levels in an alluvial plain between the **Tanana** and **Chena Rivers** near Fairbanks, Alaska, 1986-93: U.S. Geological Survey Water-Resources Investigations Report 96-4060.

# **Tanana River Reports**

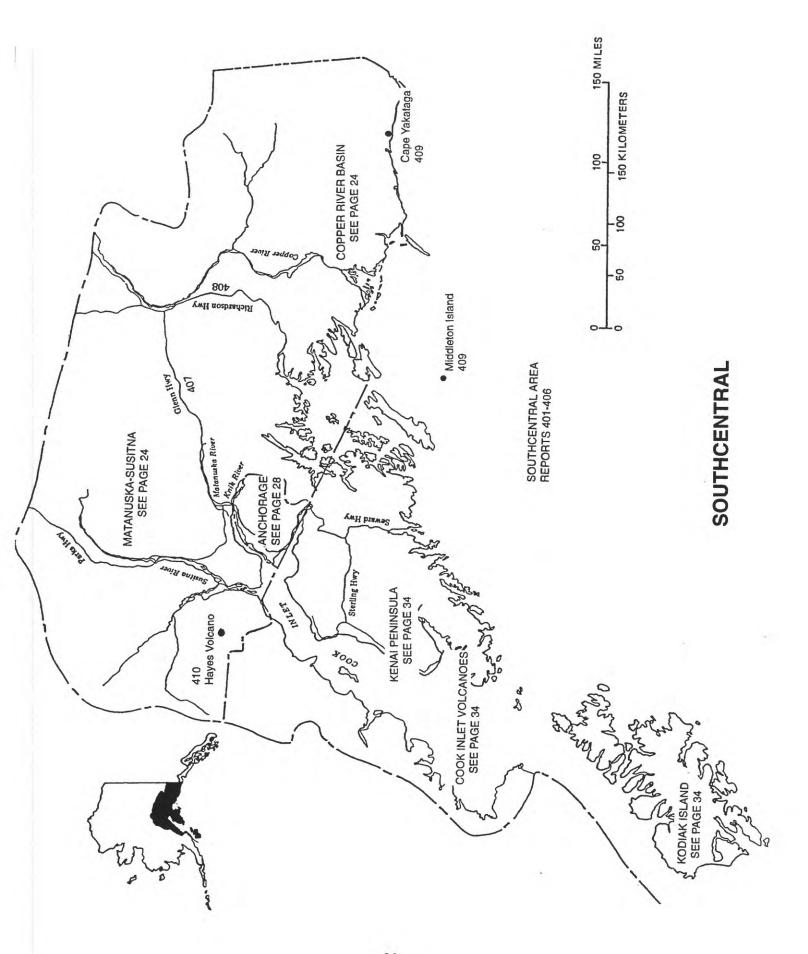
- 351 Anderson, G.S., 1970, Hydrologic reconnaissance of the **Tanana Basin**, central Alaska: U.S. Geological Survey Hydrologic Investigations Atlas HA-319, 4 sheets.
- Burrows, R.L., 1980, Cross section, velocity, and bedload data at **two erosion sites** on the Tanana River near Fairbanks, Alaska, 1979: U.S. Geological Survey Open-File Report 80-699, 32 p.
- 353 Burrows, R.L., Emmett, W.W., and Parks, Bruce, 1981, **Sediment transport** in the Tanana River near Fairbanks, Alaska, 1977-79: U.S. Geological Survey Water-Resources Investigations 81-20, 56 p.
- Burrows, R.L., and Harrold, P.E., 1983, **Sediment transport** in the Tanana River near Fairbanks, Alaska, 1980-81: U.S. Geological Survey Water-Resources Investigations Report 83-4064, 116 p.
- 355 Burrows, R.L., Parks, Bruce, and Emmett, W.W., 1979, **Sediment transport** in the Tanana River in the vicinity of Fairbanks, Alaska, 1977-1978: U.S. Geological Survey Open-File Report 79-1539, 37 p.
- 356 Emmett, W.W., Burrows, R.L., and Parks, Bruce, 1978, Sediment transport in the Tanana River in the vicinity of Fairbanks, Alaska, 1977: U.S. Geological Survey Open-File Report 78-290, 28 p.
- 357 Harrold, P.E., and Burrows, R.L., 1983, **Sediment transport** in the Tanana River near Fairbanks, Alaska, 1982: U.S. Geological Survey Water-Resources Investigations Report 83-4213, 52 p.

# **Healy Area**

- 371 Cederstrom, D.J., Wahrhaftig, Clyde, and Barnes, F.F., 1950, Ground water in the vicinity of **Healy** and Homer, Alaska: U.S. Geological Survey Open-File Report, 4 p.
- 372 Parks, Bruce, 1983, Trace metals in surface water and stream sediments of Healy and Lignite Creek basins, Alaska: U.S. Geological Survey Water-Resources Investigations Report 83-4173, 26 p.
- 373 Scully, D.R., Krumhardt, A.P., and Kernodle, D.R., 1980, Data from a hydrologic reconnaissance of the Beluga, Peters Creek, and **Healy** coal areas, Alaska: U.S. Geological Survey Open-File Report 80-1206, 54 p.
- Scully, D.R., Krumhardt, A.P., and Kernodle, D.R., 1982, Hydrologic reconnaissance of the Beluga, Peters Creek, and Healy coal areas, Alaska: U.S. Geological Survey Water-Resources Investigations 81-56, 79 p.







#### **SOUTHCENTRAL REPORTS**

- 401 Freethey, G.W., 1978, Guide to ground-water data, Cook Inlet basin, Alaska: U.S. Geological Survey Open-File Report 78-439, 207 p.
- Freethey, G.W., and Scully, D.R., 1980, Water resources of the **Cook Inlet** basin, Alaska: U.S. Geological Survey Hydrologic Investigations Atlas HA-620, 4 sheets.
- 403 Lamke, R.D., 1972, **Floods** in the summer of 1971 in south-central Alaska: U.S. Geological Survey Open-File Report, 88 p.
- Lamke, R.D., and Bigelow, B.B., 1987, **Floods** of October 1986 in southcentral Alaska: U.S. Geological Survey Open-File Report 87-391, 31 p. (Revised 1988).
- 405 Maurer, M.A., and Woods, P.F., 1988, Index to limnological data for southcentral Alaska lakes: U.S. Geological Survey Open-File Report 87-529, 146 p.
- 406 Scully, D.R., Leveen, L.S., and George, R.S., 1978, Surface water records of the **Cook Inlet** basin, Alaska, through September 1975: U.S. Geological Survey Open-File Report 78-498, 120 p.
- Waller, R.M., and Selkregg, L.M., 1962, Data on wells and springs along the **Glenn Highway**, Alaska: U.S. Geological Survey and Alaska Department of Health Hydrological Data Report 15, 23 p.
- Waller, R.M., and Tolen, D.A., 1962, Data on wells and springs along the Richardson Highway, Alaska: U.S. Geological Survey and Alaska Department of Health Hydrological Data Report 16, 32 p.
- 409 Hogan, E.V., 1995, Overview of environmental and hydrogeologic conditions at nine coastal and island sites in south-central and southeast Alaska: U.S. Geological Survey Open-File Report 95-404, 38 p. (Middleton Island, Cape Yakataga).
- 410 Lemke, K.J., May, B.A., and Vanderpool, A.M., 1995, Bibliography for Hayes, Spurr, Crater Peak, Redoubt, Iliamna, Augustine, Douglas, and Aniakchak Volcanoes, Alaska: U.S. Geological Survey Open-File Report 95-435, 32 p.

MATANUSKA-SUSITNA/COPPER RIVER/CORDOVA

#### Matanuska-Susitna Area

- 421 Feulner, A.J., 1968, Data on **wells** in the Matanuska-Susitna Borough area, Alaska: U.S. Geological Survey Open-File Report, 25 p.
- Feulner, A.J., 1971, Water-resources reconnaissance of a part of the Matanuska-Susitna Borough, Alaska: U.S. Geological Survey Hydrologic Investigations Atlas HA-364.
- 423 Lipscomb, S.W., 1987, Calibration and verification of a one-dimensional flow model to the Knik and Matanuska Rivers, south-central Alaska, in Huntsinger, R.G., technical chairman, Water quality in the great land—Alaska's challenge: Proceedings, American Water Resources Association, Water Research Center-Institute of Northern Engineering, University of Alaska, Fairbanks, Report IWR-109, p. 43-54.
- 424 Scully, D.R., Krumhardt, A.P., and Kernodle, D.R, 1980, Data from a hydrologic reconnaissance of the Beluga, **Peters Creek**, and Healy coal areas, Alaska: U.S. Geological Survey Open-File Report 80-1206, 54 p.
- 425 Scully, D.R., Krumhardt, A.P., and Kernodle, D.R, 1982, Hydrologic reconnaissance of the Beluga, Peters Creek, and Healy coal areas, Alaska: U.S. Geological Survey Water-Resources Investigations 81-56, 79 p.
- 426 Trainer, F.W., 1960, Geology and **ground-water resources** of the Matanuska Valley agricultural area, Alaska: U.S. Geological Survey Water-Supply Paper 1494, 116 p.
- Woods, P.F., 1985, Potential for circumventing internal nutrient-recycling in Lucile Lake at Wasilla, Alaska, *in* "Resolving Alaska's water resources conflicts," Proceedings, Alaska Section, American Water Resources Association: Institute of Water Resources, University of Alaska, Fairbanks, Report IWR-108, p. 39-49.
- Woods, P.F., 1985, Limnology of nine small lakes, Matanuska-Susitna Borough, Alaska, and the survival and growth rates of rainbow trout: U.S. Geological Survey Water-Resources Investigations Report 85-4292, 32 p.
- 429 Lipscomb, S.W., 1989, Flow and hydraulic characteristics of the Knik-Matanuska estuary, Cook Inlet, southcentral Alaska: U.S. Geological Survey Water-Resources Investigations Report 89-4064, 52 p.
- 430 Dorava, J.M., and Hall, J.D., 1995, Overview of environmental and hydrogeologic conditions at **Puntilla Lake**, Alaska: U.S. Geological Survey Open-File Report 95-177, 6 p.
- Hall, J.D., 1995, Overview of environmental and hydrogeologic conditions at **Skwentna** and Minchumina, Alaska: U.S. Geological Survey Open-File Report 95-438, 31 p.
- Hogan, E.V., 1995, Overview of environmental and hydrogeologic conditions at seven Federal Aviation Administration sites in interior Alaska: U.S. Geological Survey Open-File Report 95-341, 50 p. (Summit, Talkeetna, Sheep Mountain, Slana, Gulkana).

#### **Point MacKenzie**

Glass, R.L., 1983, **Hydrologic data** for Point MacKenzie, south-central Alaska: U.S. Geological Survey Open-File Report 83-142, 47 p. (updated version, October 1983, 34 p.).

- Patrick, Leslie, 1981, Results of exploratory **drilling** at Point MacKenzie, Alaska, 1981: U.S. Geological Survey Open-File Report 81-1072, 8 p.
- 443 Woods, P.F., and Rowe, T.G., 1986, Primary production, chlorophyll, and nutrients in Horseshoe Lake, Point MacKenzie, Alaska, in Cold Regions Hydrology Symposium, Fairbanks, 1986, Proceedings: American Water Resources Association, p. 213-220.

#### **Big Lake**

- 451 Rowe, T.P., 1987, Seasonal variation of photosynthetically active radiation in Big Lake, south-central Alaska, in Huntsinger, R.G., technical chairman, Water quality in the great land—Alaska's challenge: Proceedings, American Water Resources Association, Water Research Center-Institute of Northern Engineering, University of Alaska, Fairbanks, Report IWR-109, p. 95-104.
- Woods, P.F., 1984, Modeling the integral primary productivity of **phytoplankton** in Big Lake, south-central Alaska, *in* "Alaska's water—A critical resource," Proceedings, Alaska Section, American Water Resources Association: Institute of Water Resources, University of Alaska, Fairbanks, Report IWR-106, p. 197-206.
- Woods, P.F., 1986, Deep-lying chlorophyll maxima at Big Lake—Implications for trophic state classification of Alaskan lakes, in Cold Regions Hydrology Symposium, Fairbanks, 1986, Proceedings: American Water Resources Association, p. 195-200.
- Woods, P.F., 1992, **Limnology** of Big Lake, south-central Alaska, 1983-84: U.S. Geological Survey Water-Supply Paper 2382, 108 p.
- Hogan, E.V., 1995, Overview of environmental and hydrogeologic conditions near Big Lake, Alaska: U.S. Geological Survey Open-File Report 95-403, 12 p.

#### Susitna River

- 461 Knott, J.M., and Lipscomb, S.W., 1983, Sediment discharge data for selected sites in the Susitna River basin, Alaska, 1981-82: U.S. Geological Survey Open-File Report 83-870, 45 p.
- 462 Knott, J.M., and Lipscomb, S.W., 1985, Sediment discharge data for selected sites in the Susitna River basin, Alaska, October 1982 to February 1984: U.S. Geological Survey Open-File Report 85-157, 68 p.
- 463 Knott, J.M., Lipscomb, S.W., and Lewis, T.W., 1986, Sediment transport characteristics of selected streams in the Susitna River basin, Alaska, October 1983 to September 1984: U.S. Geological Survey Open-File Report 86-424W, 78 p.
- Knott, J.M., Lipscomb, S.W., and Lewis, T.W., 1987, Sediment transport characteristics of selected streams in the Susitna River basin, Alaska: Data for water year 1985 and trends in bedload discharge, 1981-85: U.S. Geological Survey Open-File Report 87-229, 51 p.
- 465 Lipscomb, S.W., and Knott, J.M., 1985, Sediment transport in the Susitna River Basin, 1982-1983, in "Resolving Alaska's water resources conflicts," Proceedings, Alaska Section, American Water Resources Association: Institute of Water Resources, University of Alaska, Fairbanks, Report IWR-108, p. 191-204.

# **Copper River Area**

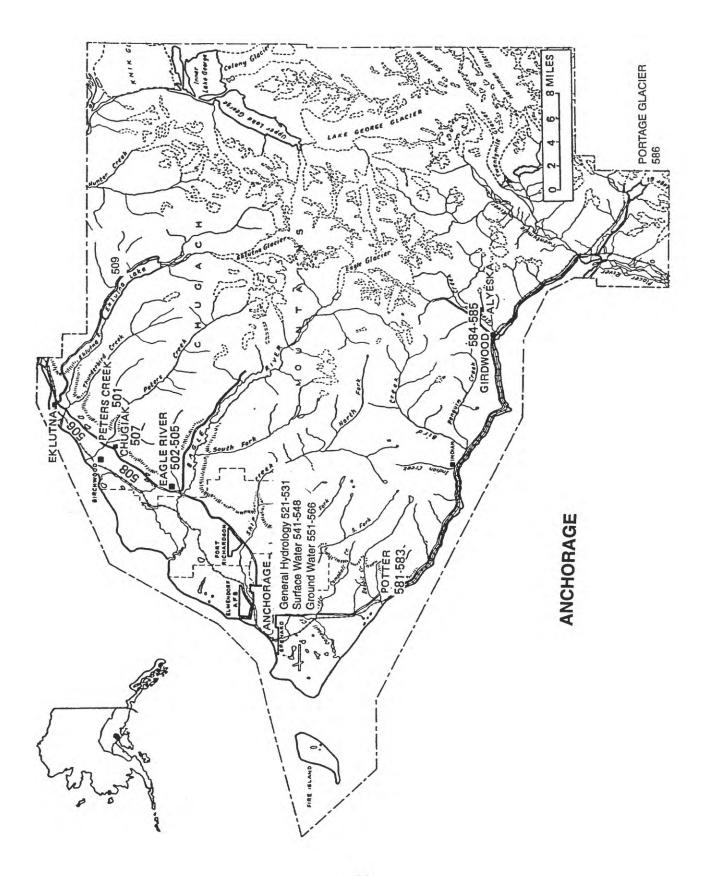
- Emery, P.A., Jones, S.H., and Glass, R.L., 1985, **Water resources** of the Copper River basin, Alaska: U.S. Geological Survey Hydrologic Investigations Atlas HA-686, 3 sheets.
- 472 Glass, R.L., 1996, Glaciers along proposed routes extending the Copper River Highway, Alaska: U.S. Geological Survey Water-Resources Investigations Report 96-4074, 39 p.
- 473 Nichols, D.R., 1956, Permafrost and ground-water conditions in the **Glennallen** area, Alaska: U.S. Geological Survey Open-File Report, 16 p.
- 474 Bigelow, B.B., 1988, Hydrologic data-collection activities in the Solomon Gulch basin near **Valdez**, Alaska: U.S. Geological Survey Open-File Report 88-719, 15 p.
- 475 Jones, S.H., and Glass, R.L., 1993, Hydrologic and mass-movement hazards near McCarthy, Wrangell-St. Elias National Park and Preserve, Alaska: U.S. Geological Survey Water-Resources Investigations Report 93-4078, 55 p. + 2 plates.

#### **Lower Copper River**

- Jones, S.H., and Barber, W.F., Jr., 1980, Copper River **hydraulics** study at Million Dollar Bridge, Alaska: U.S. Geological Survey Open-File Report 80-223, 6 p.
- 482 Brabets, T.P., 1992, **Hydrologic data** for the lower Copper River, Alaska, May to September 1991: U.S. Geological Survey Open-File Report 92-89, 15 p.
- 483 Brabets, T.P., 1993, **Hydrologic data** for the lower Copper River, Alaska, May to September 1992: U.S. Geological Survey Open-File Report 93-162, 26 p.
- 484 Brabets, T.P., 1994, Scour assessment at bridges from Flag Point to Million Dollar Bridge, Copper River Highway, Alaska: U.S. Geological Survey Water-Resources Investigations Report 94-4073, 57 p.
- 485 Brabets, T.P., 1995, Application of surface **geophysical techniques** in a study of the geomorphology of the Lower Copper River, Alaska: U.S. Geological Survey Water-Resources Investigations Report 94-4165, 47 p.

#### Cordova Area

- 491 Barnes, Ivan, 1970, A brief hydrologic and geologic **reconnaissance** in the Cordova area, Alaska: U.S. Geological Survey Open-File Report, 6 p.
- 492 McCoy, G.A., and Freethey, G.W., 1978, **Water resources** of the Cordova area, Alaska: U.S. Geological Survey Open-File Report 78-310, 23 p.
- Walters, K.L., 1963, Geologic reconnaissance and **test-well drilling**, Cordova, Alaska: U.S. Geological Survey Water-Supply Paper 1779-A, p. A1-A11.
- 494 Dorava, J.M., and Sokup, J.M., 1994, Environmental overview and hydrogeologic conditions at the Merle K. "Mudhole" Smith Airport near Cordova, Alaska: U.S. Geological Survey Open-File Report 94-328, 15 p.
- 495 Dorava, J.M., and Murray, R.P., 1995, Overview of environmental and hydrogeologic conditions on **Hinchinbrook Island**, Alaska: U.S. Geological Survey Open-File Report 95-176, 8 p.



# **Municipality of Anchorage**

#### **Eklutna to Eagle River**

- 501 Brunett, Jilann, and Lee, Michael, 1983, Hydrogeology for land-use planning—The **Peters**Creek area, Municipality of Anchorage, Alaska: U.S. Geological Survey WaterResources Investigations Report 82-4120, 6 sheets.
- 502 Dearborn, L.L., 1977, Ground-water investigation at the alluvial fan of the South Fork Eagle River, Anchorage, Alaska—Results of test drilling, 1976: U.S. Geological Survey Open-File Report 77-493, 9 p.
- 503 Dearborn, L.L., and Schaefer, D.H., 1981, Surficial geophysical data for two cross-valley lines in the middle Eagle River valley, Alaska: U.S. Geological Survey Open-File Report 80-2000, 14 p.
- 504 Deeter, Gary, and George, R.S., 1982, Hydrologic data from test wells and low-flow investigations in the middle reach of the **Eagle River** valley, Alaska, 1980-81: U.S. Geological Survey Open-File Report 82-362, 16 p.
- Johnson, Paula, 1979, Hydrogeologic data for the **Eagle River-Chugiak** area, Alaska: U.S. Geological Survey Water-Resources Investigations 79-59, 17 p.
- 506 Schmoll, H.R., and Emanuel, R.P., 1983, Geologic materials and hydrogeologic characteristics in the **Fire Lakes-Eklutna** area, Anchorage, Alaska: U.S. Geological Survey Open-File Report 83-479, 1 sheet.
- Waller, R.M., 1960, Data on water wells and springs in the Chugiak area, Alaska: U.S. Geological Survey and Alaska Department of Health Hydrological Data Report 10, 28 p.
- Zenone, Chester, Schmoll, H.R., and Dobrovolny, Ernest, 1974, Geology and ground water for land-use planning in the Eagle River-Chugiak area, Alaska: U.S. Geological Survey Open-File Report 74-57, 36 p.
- 509 Brabets, T.P., 1993, Glacier runoff and sediment transport and deposition, Eklutna Lake basin, Alaska: U.S. Geological Survey Water-Resources Investigations Report 92-4132, 47 p.

#### **Anchorage Bowl**

#### **General Hydrology and Water Quality**

- 521 Barnwell, W.W., George, R.S., Dearborn, L.L., Weeks, J.B., and Zenone, Chester, 1972, Water for Anchorage—An atlas of the water resources of the Anchorage area, Alaska: City of Anchorage and Greater Anchorage Area Borough, 77 p.
- Waller, R.M., 1960, **Water utilization** in the Anchorage area, Alaska: U.S. Geological Survey and Alaska Department of Health Hydrological Data Report 12, 19 p.
- 523 Donaldson, D.E., and Still, P.J., 1975, Water-quality data, 1948-1973, Anchorage and vicinity, Alaska: U.S. Geological Survey Open-File Report, 59 p.
- Dearborn, L.L., and Barnwell, W.W., 1975, Hydrology for land-use planning: The **Hillside** area, Anchorage, Alaska: U.S. Geological Survey Open-File Report 75-105, 46 p.

- 525 Glass, R.L., 1986, Hydrologic conditions in the **Klatt Bog** area, Anchorage, Alaska: U.S. Geological Survey Water-Resources Investigations Report 85-4330, 19 p.
- 526 Glass, R.L., 1986, Hydrologic conditions in **Connors Bog** area, Anchorage, Alaska: U.S. Geological Survey Water-Resources Investigations Report 86-4044, 23 p.
- 527 Zenone, Chester, 1976, Geohydrology of the **lowland lakes area**, Anchorage, Alaska: U.S. Geological Survey Water-Resources Investigations 76-22, 1 map.
- Dorava, J.M., and Alcorn M.G., 1995, Overview of environmental and hydrogeologic conditions at the Anchorage Air Route Traffic Control Center, Alaska: U.S. Geological Survey Open-File Report 95-409, 10 p. (Elmendorf)
- Nakanishi, A.S., 1995, Overview of environmental and hydrogeologic conditions at Merrill Field Airport, Anchorage, Alaska: U.S. Geological Survey Open-File Report 95-171, 15 p. + appendixes.
- Nakanishi, A.S., and Graham, D.D., 1995, Overview of environmental and hydrogeologic conditions at three Federal Aviation Administration facilities near Anchorage International Airport, Anchorage, Alaska: U.S. Geological Survey Open-File Report 94-712, 13 p. + appendixes.
- Nakanishi, A.S., 1995, Overview of environmental and hydrogeologic conditions at **Fire Island**, Anchorage, Alaska: U.S. Geological Survey Open-File Report 95-174, 10 p. + appendixes.

#### **Surface Water**

- 541 Brabets, T.P., 1987, Quantity and quality of urban runoff from the **Chester Creek** basin, Anchorage, Alaska: U.S. Geological Survey Water-Resources Investigations Report 86-4312, 58 p.
- 542 Brabets, T.P., and Wittenberg, L.A., 1983, Surface-water quality in the **Campbell Creek** basin, Anchorage, Alaska: U.S. Geological Survey Water-Resources Investigations Report 83-4096, 28 p.
- 543 Lipscomb, S.W., 1987, Sediment-discharge data for the lower reach of Campbell Creek, Anchorage, Alaska: May to October 1986: U.S. Geological Survey Open-File Report 87-101, 8 p.
- 544 Lipscomb, S.W., 1988, Sediment-discharge data for the lower reach of Campbell Creek, Anchorage, Alaska, September 1987: U.S. Geological Survey Open-File Report 88-81, 12 p.
- 545 Lipscomb, S.W., 1991, Streamflow and sediment transport characteristics of the lower Campbell Creek basin, Anchorage, Alaska, 1986-88: U.S. Geological Survey Water-Resources Investigations Report 91-4074, 38 p.
- Donaldson, D.E., 1976, Water quality and bathymetry of **Sand Lake**, Anchorage, Alaska: U.S. Geological Survey Open-File Report 76-254, 1 sheet.
- 547 Freethey, G.W., 1975, Preliminary report on water availability in the lower **Ship Creek** basin, Anchorage, Alaska—With special reference to the fish hatchery on Fort Richardson and a proposed fish hatchery site near the Elmendorf Air Force Base powerplant: U.S. Geological Survey Water-Resources Investigations 48-75, 21 p.

Weeks, J.B., 1970, The relationship between surface water and ground water in Ship Creek near Anchorage, Alaska: U.S. Geological Survey Professional Paper 700-B, p. B224-B226.

#### **Ground Water**

- 551 Cederstrom, D.J., Trainer, F.W., and Waller, R.M., 1964, Geology and ground-water resources of the Anchorage area, Alaska: U.S. Geological Survey Water-Supply Paper 1773, 108 p.
- Dearborn, L.L., and Freethey, G.W., 1974, Water-table contour map, Anchorage area, Alaska: U.S. Geological Survey Open-File Report, 1 map.
- 553 Freethey, G.W., 1976, Relative permeability of surficial geologic materials, Anchorage and vicinity, Alaska: U.S. Geological Survey Miscellaneous Investigations Series (Folio) I-787-F.
- Freethey, G.W., Reeder, J.W., and Barnwell, W.W., 1974, Map showing **depth to water**, Anchorage area, Alaska: U.S. Geological Survey Open-File Report, 1 sheet.
- 555 Glass, R.L., 1987, **Ground-water levels** in Anchorage, Alaska, 1987: U.S. Geological Survey Open-File Report 87-546, 15 p. + 1 oversize sheet.
- 556 Glass, R.L., 1988, Map showing **depth to bedrock**, Anchorage, Alaska: U.S. Geological Survey Open-File Report 88-198, 1 sheet.
- 557 Patrick, L.D., Brabets, T.P., and Glass, R.L., 1989, Simulation of **ground-water flow** at Anchorage, Alaska, 1955-83: U.S. Geological Survey Water-Resources Investigations Report 88-4139, 41 p.
- 556 U.S. Geological Survey, Water Resources Division, Alaska District, 1987, **Pumpage data** from public supply wells at Anchorage, Alaska, 1957-1985: U.S. Geological Survey Open-File Report 86-542, 48 p. + 1 oversize map.
- 559 U.S. Geological Survey, Water Resources Division, Alaska District, 1964, Hydrology and the effects of increased ground-water pumping in the Anchorage area, Alaska: U.S. Geological Survey Water-Supply Paper 1779-D, p. D1-D36.
- Waller, R.M., Cederstrom, D.J., and Trainer, F.W., 1961, Data on wells in the Anchorage area, Alaska: U.S. Geological Survey and Alaska Department of Health Hydrological Data Report 14, 35 p.
- Anderson, G.S., 1977, Artificial recharge experiments on the Ship Creek alluvial fan, Anchorage, Alaska: U.S. Geological Survey Water-Resources Investigations 77-38, 39 p.
- Meyer, William, and Patrick, L.D., 1980, Effects of artificial-recharge experiments at **Ship**Creek alluvial fan on water levels at Spring Acres subdivision, Anchorage, Alaska:
  U.S. Geological Survey Open-File Report 80-1284, 42 p.
- Nelson, G.L., 1982, Vertical movement of ground water under the **Merrill Field** landfill, Anchorage, Alaska: U.S. Geological Survey Open-File Report 82-1016, 24 p.
- Brunett, J.O., 1990, Movement of contaminated ground water from Merrill Field landfill, Anchorage, Alaska: U.S. Geological Survey Open-File Report 89-624, 20 p.

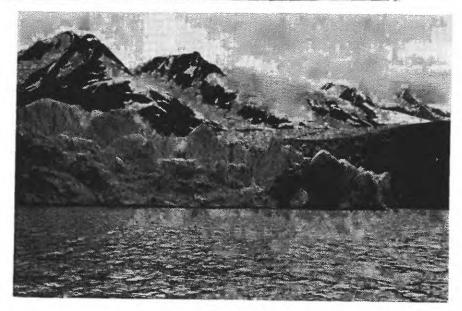
- Zenone, Chester, and Donaldson, D.E., 1974, Water quality and geohydrologic data at two sanitary landfill sites near Anchorage, Alaska: U.S. Geological Survey Open-File Report, 1 sheet.
- Zenone, Chester, Donaldson, D.E., and Grunwaldt, J.J., 1975, Ground-water quality beneath solid-waste disposal sites at Anchorage, Alaska: Groundwater, v. 13, p. 182-190.

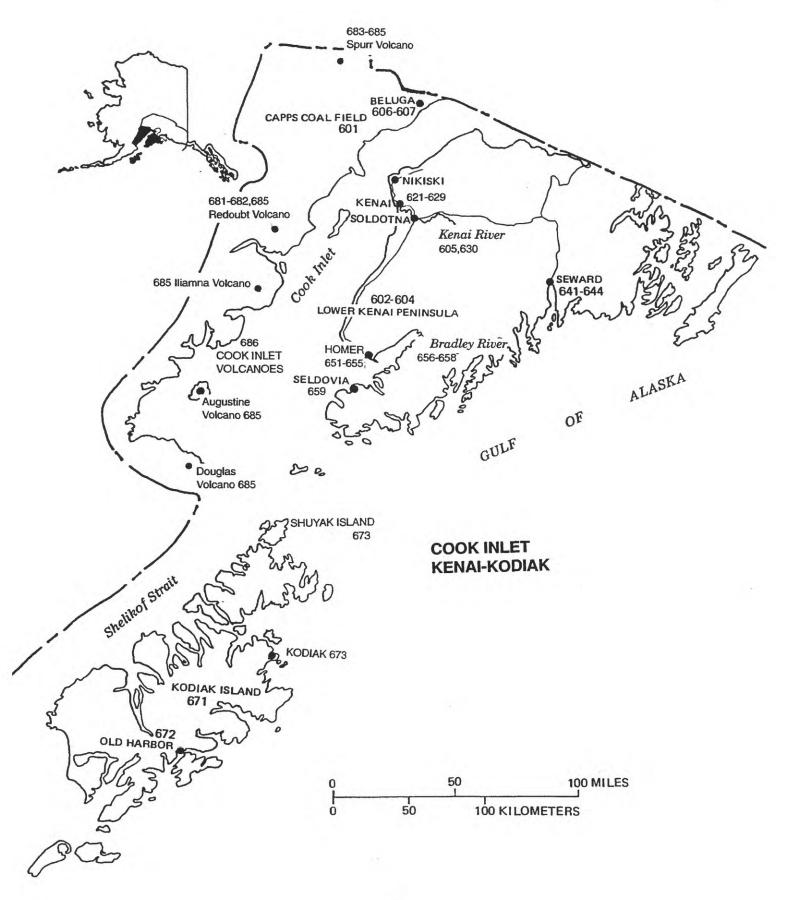
#### **Potter to Portage**

- Brabets, T.P., 1984, Instrumentation of the tide-affected **Potter Marsh** outlet near Anchorage, Alaska, *in* "Alaska's water—A critical resource," Proceedings, Alaska Section, American Water Resources Association: Institute of Water Resources, University of Alaska, Fairbanks, Report IWR-106, p. 15-23.
- Emanuel, R.P., and Cowing, D.J., 1982, Hydrogeology for land-use planning—The **Potter Creek** area, Anchorage, Alaska: U.S. Geological Survey Water-Resources Investigations/Open-File Report 82-86, 4 sheets.
- 583 Schmoll, H.R., and Emanuel, R.P., 1981, Generalized geologic map and hydrologic properties of **Potter Creek** area, Municipality of Anchorage, Alaska: U.S. Geological Survey Open-File Report 81-1168.
- Glass, R.L., and Brabets, T.P., 1988, Summary of water resources data for the **Girdwood-Alyeska** area, Alaska: U.S. Geological Survey Open-File Report 87-678, 24 p.
- Zenone, Chester, 1974, Geology and water resources of the **Girdwood-Alyeska** area, Alaska: U.S. Geological Survey Open-File Report, 24 p.
- 586 Mayo, L.R., Zenone, Chester, and Trabant, D.C., 1977, Reconnaissance hydrology of Portage Glacier basin, Alaska—1972: U.S. Geological Survey Hydrologic Investigations Atlas HA-583, 2 sheets.









# Kenai Peninsula Borough

- Nelson, G.L., 1985, Results of test drilling and hydrogeology of **Capps Coal field**, Alaska: U.S. Geological Survey Water-Resources Investigations Report 85-4114, 23 p.
- 602 Nelson, G.L., and Johnson, P.R., 1981, Ground-water reconnaissance of part of the lower Kenai Peninsula, Alaska: U.S. Geological Survey Water-Resources Investigations, Open-File Report 81-905, 32 p.
- 603 Savard, C.S., 1984, Surface-water quantity and quality in the **lower Kenai Peninsula**, Alaska: U.S. Geological Survey Water-Resources Investigations Report 84-4161, 62 p.
- 604 Savard, C.S., and Scully, D.R., 1984, Estimating annual mean and 7-day 10-year low-flow discharges for partial record stations in the lower Kenai Peninsula, Alaska, in "Alaska's water—A critical resource," Proceedings, Alaska Section, American Water Resources Association: Institute of Water Resources, University of Alaska, Fairbanks, Report IWR 106, p. 93-106.
- 605 Scott, K.M., 1982, Erosion and sedimentation in the **Kenai River**, Alaska: U.S. Geological Survey Professional Paper 1235, 35 p.
- 606 Scully, D.R., Krumhardt, A.P., and Kernodle, D.R, 1980, Data from a hydrologic reconnaissance of the **Beluga**, Peters Creek, and Healy coal areas, Alaska: U.S. Geological Survey Open-File Report 80-1206, 54 p.
- 607 Scully, D.R., Krumhardt, A.P., and Kernodle, D.R, 1982, Hydrologic reconnaissance of the **Beluga**, Peters Creek, and Healy coal areas: U.S. Geological Survey Water-Resources Investigations 81-56, 79 p.

#### Kenai-Soldotna-Nikiski Area

- Anderson, G.S., 1971, Ground-water exploration, **Beaver Creek valley** near Kenai, Alaska: U.S. Geological Survey Open-File Report, 27 p.
- Anderson, G.S., 1972, Aquifer test, **Soldotna**, Alaska: U.S. Geological Survey Open-File Report, 17 p.
- 623 Anderson, G.S., and Jones, S.H., 1971, Hydrologic data of the **Kenai-Soldotna** area, Alaska: U.S. Geological Survey Open-File Report, 57 p.
- Anderson, G.S., and Jones, S.H., 1971, Lake-level fluctuations in the **Kenai-Soldotna** area, Alaska, 1967-71: U.S. Geological Survey Open-File Report, 5 p.
- Anderson, G.S., and Jones, S.H., 1972, Water resources of the **Kenai-Soldotna** area, Alaska: U.S. Geological Survey Open-File Report, 81 p.
- Bailey, B.J., 1983, Hydrologic data stations and lake levels, **Kenai-Nikiski** area, Alaska, 1983: U.S. Geological Survey Open-File Report 83-938, 1 sheet.
- Nelson, G.L., 1981, Hydrology and the effects of industrial pumping in the Nikiski area, Alaska: U.S. Geological Survey Water-Resources Investigations 81-685, 22 p.
- Bailey, B.J., and McIntire, J.A., 1993, Levels of lakes in the **north Kenai** area, Alaska, 1970 to 1992: U.S. Geological Survey Open-File Report 93-644, 18 p.

- 629 Bailey, B.J., and Hogan E.V., 1995, Overview of environmental and hydrogeologic conditions near **Kenai**, Alaska: U.S. Geological Survey Open-File Report 95-410, 12 p.
- 630 Dorava, J.M., 1995, Hydraulic characteristics near streamside structures along the Kenai River, Alaska: U.S. Geological Survey Water-Resources Investigations Report 95-4226, 41 p.

## **Seward Area**

- 641 Dearborn, L.L., Anderson, G.S., and Zenone, Chester, 1979, Water-resources data of the Seward area, Alaska: U.S. Geological Survey Water-Resources Investigations 79-11, 45 p.
- Jones, S.H., and Zenone, Chester, 1988, Flood of October 1986 at **Seward**, Alaska: U.S. Geological Survey Water-Resources Investigations Report 87-4278, 43 p. + 2 plates.
- Nelson, G.L., 1981, Hydrologic reconnaissance near **Fourth of July Creek**, Seward, Alaska: U.S. Geological Survey Water-Resources Investigations 81-21, 10 p.
- 644 Sloan C.E., 1985, Water resources and hydrologic hazards of the Exit Glacier area near Seward, Alaska: U.S. Geological Survey Water-Resources Investigations Report 85-4247, 8 p.

## **Homer Area**

- 651 Cederstrom, D.J., Wahrhaftig, Clyde, and Barnes, F.F., 1950, Ground water in the vicinity of Healy and **Homer**, Alaska: U.S. Geological Survey Open-File Report, 4 p.
- 652 Feulner, A.J., 1963, Water-supply potential in the **Ohlson Mountain** area, Kenai Peninsula, Alaska: U.S. Geological Survey and Alaska Department of Health Hydrological Data Report 22, 16 p.
- Waller, R.M., 1963, Data on wells in the **Homer** area, Alaska: U.S. Geological Survey and Alaska Department of Health Hydrological Data Report 23, 24 p.
- 654 Waller, R.M., Feulner, A.J., and Morris, D.A., 1968, Water resources and surficial geology of the **Homer** area, south-central Alaska: U.S. Geological Survey Hydrologic Investigations Atlas HA-187.
- 655 Hall, J.D., 1995, Overview of environmental and hydrogeologic conditions at **Homer**, Alaska: U.S. Geological Survey Open-File Report 95-405, 27 p.
- Johnson, F.A., 1961, Waterpower resources of the **Bradley River** basin, Kenai Peninsula, Alaska: U.S. Geological Survey Water-Supply Paper 1610-A, p. A1-A25.
- 657 Rickman, R.L., 1993, Hydrologic conditions and low-flow investigations of the lower **Bradley River** near Homer, Alaska, October 1991 to February 1992: U.S. Geological Survey Open-File Report 93-95, 17 p.
- 658 Rickman, R.L. 1995, Hydrologic and water-quality data for the lower **Bradley River**, Alaska, March 1993 to April 1994: U.S. Geological Survey Open-File Report 95-338, 30 p.
- Nelson, G.L., and Danskin, W.R., 1980, Hydrogeology of the **Seldovia** area, Alaska: U.S. Geological Survey Water-Resources Investigations 80-952, 2 sheets.

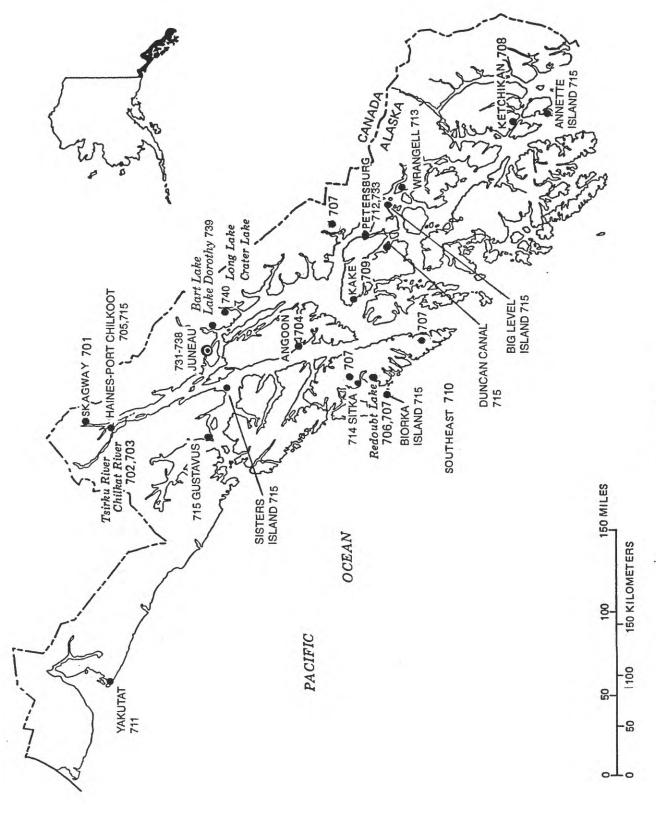
## Kodiak Island

- 671 Jones, S.H., Madison, R.J., and Zenone, Chester, 1978, Water resources of the Kodiak-Shelikof subregion, south-central Alaska: U.S. Geological Survey Hydrologic Investigations Atlas HA-612, 2 sheets.
- Weeks, J.B., 1970, Water-resources reconnaissance of the **Old Harbor** area, Kodiak Island, Alaska: U.S. Geological Survey Open-File Report, 8 p.
- 673 Hogan, E.V., and Nakanishi, A.S., 1995, Overview of environmental and hydrogeologic conditions near Kodiak, Alaska: U.S. Geological Survey Open-File Report 95-406, 16 p. (Kodiak Airport, Woody Island, Shuyak Island).

#### **Cook Inlet Volcanoes**

- Dorava, J.M., May, B.A., Meyer, D.F., and Myers, L.V., 1993, Channel geometry data of streams in the lower Drift River basin affected by the 1989-90 eruptions of **Redoubt Volcano**, Alaska: U.S. Geological Survey Open-File Report 93-94, 66 p.
- Dorava, J.M. and Meyer, D.F., 1994, Hydrologic hazards in the lower Drift River basin associated with the 1989-1990 eruptions of **Redoubt Volcano**, Alaska: Journal of Volcanology and Geothermal Research, v. 62, p. 387-407.
- Dorava, J.M., and Waythomas, C.F., 1994, Hydrologic hazards at Alaska volcanoes— Chakachatna River Basin near Crater Peak, **Spurr Volcano**: U.S. Geological Survey Fact Sheet 94-058, 1 sheet.
- Meyer, D.F., and Trabant, D.C., 1995, Lahars from the 1992 eruptions of Crater Peak, Mount Spurr volcano, Alaska, in Keith, T.E.C., ed., The 1992 eruptions of Crater Peak vent, Mount Spurr volcano, Alaska: U.S. Geological Survey Bulletin 2139, p. 183-198.
- 685 Lemke, K.J., May, B.A., and Vanderpool, A.M., 1995, Bibliography for **Hayes, Spurr,** Crater Peak, Redoubt, Iliamna, Augustine, Douglas, and Aniakchak Volcanoes, Alaska: U.S. Geological Survey Open-File Report 95-435, 32 p.
- Dorava, J.M., and Waythomas, C.F., 1995, Hydrologic hazards at recently active volcanoes in the Cook Inlet region, Alaska, in Water Resources and Environmental Hazards—Emphasis on the Hydrologic and Cultural Insight in the Pacific Rim Symposium, Honolulu, June 25-28, 1995, Proceedings: American Water Resources Association, p. 91-98.

# SOUTHEAST



## SOUTHEAST REPORTS

- 701 Balding, G.O., 1975, Water-resources data for **Skagway**, Alaska: U.S. Geological Survey Open-File Report, 34 p.
- 702 Bugliosi, E.F., 1985, Hydrology of Tsirku River alluvial fan near Haines, in "Resolving Alaska's water resources conflicts," Proceedings, Alaska Section, American Water Resources Association: Institute of Water Resources, University of Alaska, Fairbanks, Report IWR-108, p. 179-189.
- 703 Bugliosi, E.F., 1988, Hydrologic reconnaissance of the **Chilkat River basin**, southeast Alaska, with special reference to the Alaska Bald Eagle Preserve: U.S. Geological Survey Water-Resources Investigations Report 88-4023, 38 p.
- 704 Lockwood, W.N., 1963, Report on water-well drilling at Angoon, Alaska: U.S. Geological Survey Open-File Report, 19 p.
- 705 McConaghy, J.A., 1970, Reconnaissance of water resources in the **Haines-Port Chilkoot** area, Alaska: U.S. Geological Survey Circular 626, 16 p.
- 706 McCoy, G.A., 1977, A reconnaissance investigation of a large meromictic lake in southeastern Alaska: U.S. Geological Survey Journal of Research, v. 5, no. 3, p. 319-324. (**Redoubt Lake**)
- 707 McCoy, G.A., Wiggins, W.W., and Schmidt, A.E., 1977, Limnological investigation of six lakes in southeast Alaska: U.S. Geological Survey Water-Resources Investigations 76-122, 1 sheet. (**Spurt Point, Swan, Green, Blue, Osprey, Redoubt Lakes**)
- 708 Waller, R.M., 1957, Ground-water reconnaissance and drilled wells—Studies in the **Ketchikan** area: U.S. Geological Survey and Alaska Department of Health Hydrological Data Report 3, 5 p.
- 709 Waller, R.M., 1957, Ground-water supply at **Kake**, Alaska: U.S. Geological Survey Open-File Report, 6 p.
- 710 Waller, R.M., and Tolen, D.A., 1962, Data on ground-water exploration and development in southeastern Alaska: U.S. Geological Survey and Alaska Department of Health Hydrological Data Report 19, 15 p.
- 711 Holmes, W.F., and Dorava, J.M., Overview of environmental and hydrogeologic conditions at **Yakutat**, Alaska: U.S. Geological Survey Open-File Report 94-713, 17 p.
- 712 Hogan, E.V., 1995, Overview of environmental and hydrogeologic conditions near **Petersburg**, Alaska: U.S. Geological Survey Open-File Report 95-342, 12 p.
- 713 Hogan, E.V., 1995, Overview of environmental and hydrogeologic conditions near Wrangell, Alaska: U.S. Geological Survey Open-File Report 95-344, 10 p.
- 714 Hogan, E.V., 1995, Overview of environmental and hydrogeologic conditions at **Sitka**, Alaska: U.S. Geological Survey Open-File Report 95-345, 10 p.
- 715 Hogan, E.V., 1995, Overview of environmental and hydrogeologic conditions at nine coastal and island sites in south-central and southeast, Alaska: U.S. Geological Survey Open-File Report 95-404, 38, p. (Gustavus, Haines, Biorka Island, Big Level Island, Annette Island, Sisters Island, Duncan Canal)

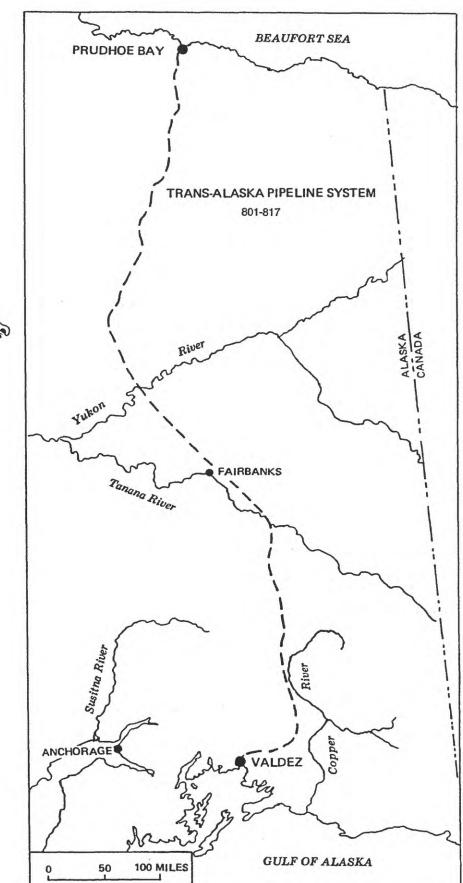
#### Juneau Area

- 731 Balding, G.O., 1982, Aquifer data from four wells in the **Mendenhall Valley** near Juneau, Alaska: U.S. Geological Survey Open-File Report 82-271, 16 p.
- 732 Barnwell, W.W., and Boning, C.W., 1968, Water resources and surficial geology of the Mendenhall Valley, Alaska: U.S. Geological Survey Hydrologic Investigations Atlas HA-259.
- Johnson, F.A., 1962, Waterpower resources near **Petersburg** and **Juneau**, southeastern Alaska: U.S. Geological Survey Water-Supply Paper 1529, 102 p.
- 734 McConaghy, J.A., 1969, **Hydrologic data** of the Juneau Borough, Alaska: U.S. Geological Survey Open-File Report, 77 p.
- 735 McConaghy, J.A., and Bowman, W.N., 1971, Water resources of the City and Borough of Juneau, Alaska: U.S. Geological Survey Open-File Report, 62 p.
- 736 Waller, R.M., 1957, Ground-water reconnaissance and drilled wells—Studies in the Gastineau Channel area: U.S. Geological Survey and Alaska Department of Health Hydrological Data Report 1, 9 p.
- Waller, R.M., 1959, Test-drilling results in Last Chance Basin, Juneau, Alaska: U.S. Geological Survey and Alaska Department of Health Hydrological Data Report 8, 15 p.
- 738 Alcorn, M.G., and Hogan, E.V., 1995, Overview of environmental and hydrogeologic conditions near Juneau, Alaska: U.S. Geological Survey Open-File Report 95-412, 13 p.
- 739 Seitz, H.R., and Thomas, D.S., 1990, Fathometer data from **Bart Lake** and **Lake Dorothy** near Juneau, Alaska, 1988-89: U.S. Geological Survey Open-File Report 90-152, 14 p.
- 740 Sloan, C.E., Emery, P.A., Fair, Diana, and Lamke, R.D., 1986, Effect of glacier ablation on the Snettisham Hydroelectric Project, Long Lake and Crater Lake basins, Alaska (with a section on streamflow records): U.S. Geological Survey Water-Resources Investigations Report 85-4315, 22 p. + 1 plate.







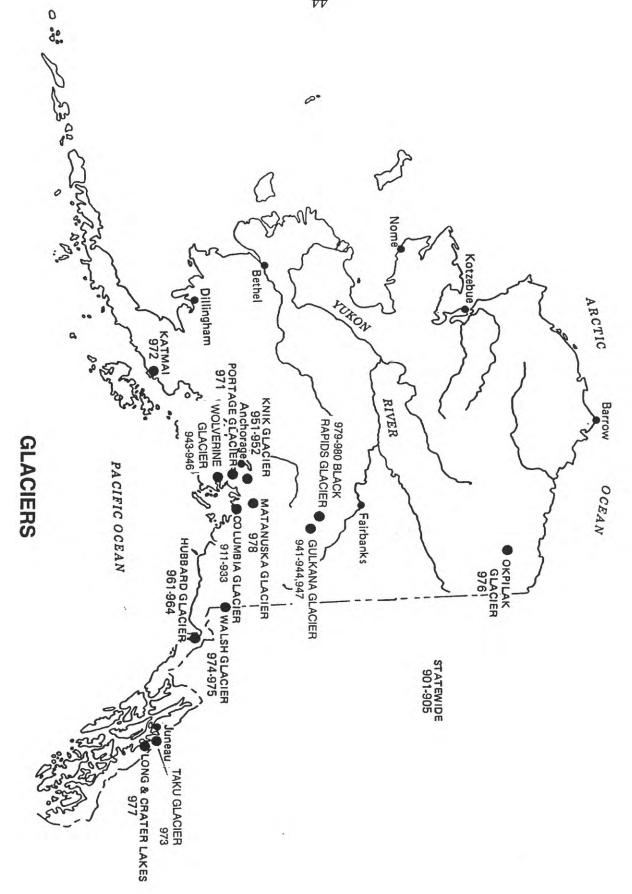




**TAPS** 

# TRANS-ALASKA PIPELINE SYSTEM (TAPS) REPORTS

- 801 Childers, J.M., Nauman, J.W., Kernodle, D.R, and Doyle, P.F., 1978, Water resources along the TAPS route, Alaska, 1970-74: U.S. Geological Survey Open-File Report 78-137, 136 p.
- 802 Emmett, W.W., 1972, The **hydraulic geometry** of some Alaskan streams south of the Yukon River: U.S. Geological Survey Open-File Report, 102 p.
- 803 Sloan, C.E., Zenone, Chester, and Mayo, L.R., 1976, **Icings** along the trans-Alaska pipeline route: U.S. Geological Survey Professional Paper 979, 31 p.
- Brice, James, 1971, Measurement of **lateral erosion** at proposed river crossing sites of the Alaska pipeline: U.S. Geological Survey Open-File Report, 39 p.
- 805 Childers, J.M., 1972, **Channel erosion** surveys along proposed TAPS route, Alaska, July 1971: U.S. Geological Survey Open-File Report, 79 p.
- 806 Childers, J.M., 1975, **Channel erosion** along southern segment of the TAPS route, Alaska, 1972 and 1973: U.S. Geological Survey Open-File Report, 57 p.
- 807 Childers, J.M., and Jones, S.H., 1975, **Channel erosion** surveys along TAPS route, Alaska, 1974: U.S. Geological Survey Open-File Report, 145 p.
- 808 Doyle, P.F., and Childers, J.M., 1975, Channel erosion surveys along TAPS route, Alaska, 1975: U.S. Geological Survey Open-File Report, 95 p. [1976].
- 809 Doyle, P.F., and Childers, J.M., 1977, Channel erosion surveys along TAPS route, Alaska, 1976: U.S. Geological Survey Open-File Report 77-170, 90 p.
- 810 Loeffler, R.M., and Childers, J.M., 1978, Channel erosion surveys along the TAPS route, Alaska, 1977: U.S. Geological Survey Open-File Report 78-611, 90 p.
- 811 Childers, J.M., 1974, **Flood surveys** along TAPS route, Alaska: U.S. Geological Survey Open-File Report, 16 p.
- 812 Childers, J.M., and Lamke, R.D., 1973, Flood survey at proposed TAPS crossings of Yukon River near Stevens Village, Alaska: U.S. Geological Survey Open-File Report, 12 p.
- 813 Lamke, R.D., and Jones, S.H., 1980, Flood-prone area maps of three sites along the trans-Alaska pipeline, Alaska: U.S. Geological Survey Open-File Report 80-209, 14 p.
- 814 Nauman, J.W, and Kernodle, D.R., 1973, Field water quality information along proposed trans-Alaska pipeline corridor, September 1970 through September 1972: U.S. Geological Survey Open-File Report, 22 p.
- 815 Nauman, J.W, and Kernodle, D.R., 1974, Aquatic organisms from selected sites along the proposed trans-Alaska pipeline corridor, September 1970 to September 1972: U.S. Geological Survey Open-File Report, 23 p.
- 816 Nauman, J.W, and Kernodle, D.R., 1977, **Aquatic organisms** from selected sites along the trans-Alaska pipeline corridor, September 1970 to September 1972, Supplement: U.S. Geological Survey Open-File Report 77-634, 59 p.
- 817 Sloan, C.E., and Bredehoeft, J.D., 1972, Some effects of a heated pipeline on **ground-water flow** in Alaska: U.S. Geological Survey Open-File Report, 25 p.



## **GLACIER REPORTS**

For a comprehensive bibliography of glacier studies in Alaska, see citation 901. Selected reports are included below.

## Statewide

- 901 Snyder, E.F., 1996, **Bibliography** of glacier studies by the U.S. Geological Survey: U.S. Geological Survey Open-File Report 95-723, 35 p.
- 902 Meier, M.F., and Post, Austin, 1980, G.K. Gilbert and the great **iceberg-calving glaciers** of Alaska: Geological Society of America Special Paper No. 183, p. 115-123.
- 903 Post, A.S., 1965, Alaskan glaciers—Recent observations in respect to the earthquake-advance theory: Science, v. 148, no. 3668, p. 366-368.
- 904 Post, Austin, and Mayo, L.R., 1971, **Glacier-dammed lakes** and outburst floods in Alaska: U.S. Geological Survey Hydrologic Investigations Atlas HA-455 [1972], 3 sheets.
- 905 Post, Austin, and Meier, Mark, 1980, A preliminary inventory of **Alaskan glaciers**, *in* World glacier inventory: IASH-AISH Publication 126, p. 45-47.

# Columbia Glacier

- 911 Bindschadler, R.A., and Rasmussen, L.A., 1983, Finite-difference model predictions of the drastic retreat of Columbia Glacier, Alaska: U.S. Geological Survey Professional Paper 1258-D, 17 p.
- 912 Brown, C.S., Meier, M.F., and Post, Austin, 1983, **Calving speed** of Alaska tidewater glaciers, with application to Columbia Glacier: U.S. Geological Survey Professional Paper 1258-C, p. C1-C13.
- 913 Brown, C.S., Rasmussen, L.A., and Meier, M.F., 1986, **Bed topography** inferred from airborne radio-echo sounding of Columbia Glacier, Alaska: U.S. Geological Survey Professional Paper 1258-G, p. G1-G26.
- 914 Fountain, A.G., 1983, Columbia Glacier photogrammetric **altitude and velocity**—Data set (1975 to 1981): U.S. Geological Survey Open-File Report 82-756, 229 p.
- 915 Krimmel, R.M., 1987, Columbia Glacier, Alaska—**Photogrammetry** data set 1981-82 and 1984-85: U.S. Geological Survey Open-File Report 87-219, 104 p.
- 916 Krimmel, R.M., 1987, Columbia Glacier in 1986—800 meter **retreat**: U.S. Geological Survey Open-File Report 87-207, 7 p.
- 917 Krimmel, R.M., and Vaughn, B.H., 1987, Columbia Glacier, Alaska—Changes in **velocity**, 1977 to 1986: Journal of Geophysical Research, B, Solid Earth and Planets, v. 92, no. 9, p. 8961-8968.
- 918 Mayo, L.R., Trabant, D.C., March, Rod, and Haeberli, Wilfried, 1979, Columbia Glacier stake location, mass balance, glacier surface altitude, and ice radar data—1978 measurement year: U.S. Geological Survey Open-File Report 79-1168, 79 p.
- 919 Meier, M.F., and others, 1980, **Retreat** of Columbia Glacier—A preliminary prediction: U.S. Geological Survey Open-File Report 80-10, 12 p.

- 920 Meier, M.F., and others, 1980, Predicted timing of the **disintegration** of the lower reach of Columbia Glacier, Alaska: U.S. Geological Survey Open-File Report 80-582, 58 p.
- 921 Meier, M.F., and others, 1984, The 1983 **recession** of Columbia Glacier: U.S. Geological Survey Open-File Report 84-59, 12 p.
- 922 Meier, M.F., and others, 1985, Photogrammetric determination of surface altitude, terminus position and ice velocity of Columbia Glacier, Alaska: U.S. Geological Survey Professional Paper 1258-F, p. F1-F41.
- 923 Meier, M.F., Rasmussen, L.A., and Miller, D.S., 1985, Columbia Glacier in 1984— Disintegration underway: U.S. Geological Survey Open-File Report 85-81, 21 p.
- 924 Post, Austin, 1975, Preliminary hydrography and historic terminal changes of Columbia Glacier, Alaska: U.S. Geological Survey Hydrologic Investigations Atlas HA-559 [1976], 3 sheets.
- 925 Post, Austin, 1977, Reported observations of icebergs from Columbia Glacier in Valdez Arm and Columbia Bay, Alaska, during the summer of 1976: U.S. Geological Survey Open-File Report 77-235, 3 p.
- 926 Post, Austin, 1978, Interim bathymetry of Columbia Glacier and approaches, Alaska: U.S. Geological Survey Open-File Report 78-449, 1 pl.
- 927 Rasmussen, L.A., 1989, Surface **velocity** variations of the lower part of Columbia Glacier, Alaska, 1977-1981: U.S. Geological Survey Professional Paper 1258-H, p. H1-H52.
- 928 Rasmussen, L.A., and Meier, M.F., 1982, Continuity equation model of the predicted drastic retreat of Columbia Glacier, Alaska: U.S. Geological Survey Professional Paper 1258-A, p. A1-A23.
- 929 Rasmussen, L.A., and Meier, M.F., 1985, Surface topography of the lower part of Columbia Glacier, Alaska, 1974-81: U.S. Geological Survey Professional Paper 1258-E, p. E1-E63.
- 930 Sikonia, W.G., 1982, Finite element glacier dynamics **model** applied to Columbia Glacier, Alaska: U.S. Geological Survey Professional Paper 1258-B, p. B1-B74.
- 931 Sikonia, W.G., and Post, Austin, 1980, Columbia Glacier, Alaska: Recent **ice loss** and its relationship to seasonal terminal embayments, thinning, and glacial flow: U.S. Geological Survey Hydrologic Investigations Atlas HA-619, 3 sheets.
- 932 Vaughn, B.H., 1985, Short-term **velocity** measurements at Columbia Glacier, Alaska, August to September 1984: U.S. Geological Survey Open-File Report 85-487, 29 p.
- 933 Krimmel, R.M., 1996, Columbia Glacier Alaska—Research on tidewater glaciers: U.S. Geological Survey Fact Sheet FS-091-96, 4 p.

## **Gulkana and Wolverine Glaciers**

941 Mayo, L.R., and Péwé, T.L., 1963, Ablation and net total radiation, Gulkana Glacier, Alaska, chapter 43 in Ice and snow—Properties, processes, and application, Conference, Massachusetts Institute of Technology, 1962, Proceedings: Cambridge, Mass., M.I.T. Press, p. 633-643.

- 942 Mayo, L.R., and Trabant, D.C., 1986, Recent growth of Gulkana Glacier, Alaska Range, and its relation to glacier-fed river runoff: U.S. Geological Survey Water-Supply Paper 2290, p. 91-99.
- 943 Meier, M.F., Tangborn, W.V., Mayo, L.R., and Post, Austin, 1971, Combined ice and water balances of Gulkana and Wolverine Glaciers, Alaska, and South Cascade Glacier, Washington, 1965 and 1966 hydrologic years: U.S. Geological Survey Professional Paper 715-A, p. A1-A23.
- 944 Tangborn, W.V., Mayo, L.R., Scully, D.R., and Krimmel, R.M., 1977, Combined ice and water balances of Maclure Glacier, California, South Cascade Glacier, Washington, and Wolverine and Gulkana Glaciers, Alaska, 1967 hydrologic year: U.S. Geological Survey Professional Paper 715-B, p. B1-B20.
- 945 Mayo, L.R., March, R.S., and Trabant, D.C., 1992, Air temperature and precipitation data, 1967-88, Wolverine Glacier basin, Alaska: U.S. Geological Survey Open-File Report 91-246, 80 p.
- 946 Kennedy, B.W., 1995, Air temperature and precipitation data, Wolverine Glacier basin, Alaska, 1967-94: U.S. Geological Survey Open-File Report 95-444, 79 p. + diskette.
- 947 March, R.S., and Trabant, D.C., 1996, Mass balance, meteorological, ice motion, surface altitude, and runoff data at **Gulkana Glacier**, Alaska, 1992 balance year: U.S. Geological Survey Water-Resources Investigations Report 95-4277, 32 p.

## Knik Glacier

- 951 Mayo, L.R., and Trabant, D.C., 1982, Geodetic **trisection, altitude, and ice-radar** surveying **techniques** used at Knik Glacier, Alaska, and summary of 1979, 1980, and 1981 data: U.S. Geological Survey Open-File Report 82-685, 26 p.
- 952 Trabant, D.C., and Mayo, L.R., 1980, Knik Glacier, Alaska—May 1979 monument and glacier survey: U.S. Geological Survey Open-File Report 80-48, 20 p.

## **Hubbard Glacier**

- 961 Emery, P.A., and Seitz, H.R., 1987, **Hubbard Glacier** is still on the move: Geotimes, (May issue) v. 32, no. 5, p. 8-9.
- 962 Krimmel, R.M., and Sikonia, W.G., 1986, Velocity and surface altitude of lower part of Hubbard Glacier, Alaska, August 1978: U.S. Geological Survey Open-File Report 86-549, 13 p.
- 963 Seitz, H.R., Thomas, D.S., and Tomlinson, Bud, 1986, The storage and release of water from a large glacier-dammed lake—Russell Lake near Yakutat, Alaska: U.S. Geological Survey Open-File Report 86-545, 10 p.
- 964 Trabant, D.C., Krimmel, R.M., and Post, Austin, 1991, A preliminary forecast of the advance of Hubbard Glacier, and its influence on Russell Fiord, Alaska: U.S. Geological Survey Water-Resources Investigations Report 90-4172, 34 p.

## **Other Glaciers**

- 971 Mayo, L.R., Zenone, Chester, and Trabant, D.C., 1977, Reconnaissance hydrology of Portage Glacier basin, Alaska—1972: U.S. Geological Survey Hydrologic Investigations Atlas HA-583, 2 sheets.
- 972 Muller, E.H., and Coulter, H.W., 1957, The **Knife Creek Glaciers** of Katmai National Monument, Alaska: Journal of Glaciology, v. 3, no. 22, p. 116-122.
- 973 Motyka, R.J., Trabant, D.C., Noll, R.S., and Post, Austin, 1991, **Taku Glacier**: Alaska Division of Geological and Geophysical Surveys Information Circular 34, 1 sheet.
- 974 Post, A.S., 1966, The recent surge of Walsh Glacier, Yukon and Alaska: Journal of Glaciology, v. 6, no. 45, p. 373-381.
- 975 Post, A.S., 1967, Walsh Glacier surge, 1966 observations: Journal of Glaciology, v. 6, no. 47, p. 763-765.
- 976 Sable, E.G., 1961, Recent recession and thinning of **Okpilak Glacier**, northeastern Alaska: Arctic, v. 14, no. 3, p. 176-187.
- 977 Sloan, C.E., Emery, P.A., Fair, Diana, and Lamke, R.D., 1986, Effect of glacier ablation on the Snettisham Hydroelectric Project, Long Lake and Crater Lake basins, Alaska (with a section on streamflow records): U.S. Geological Survey Water-Resources Investigations Report 85-4315, 22 p. + 1 plate.
- 978 Williams, J.R., and Ferrians, O.J., Jr., 1958, Late Wisconsin and Recent history of the Matanuska Glacier, Alaska: Arctic, v. 14, no. 2, p. 82-90.
- 979 Heinrichs, T. A., Mayo, L.R., Trabant, D.C., and March, R.S., 1995, Observations of the surge-type Black Rapids Glacier, Alaska, during a quiescent period, 1970-92: U.S. Geological Survey Open-File Report 94-512, 98 p., appendixes, + diskette.
- 980 Heinrichs, T.A., Mayo, L.R., Echelmeyer, K.A., and Harrison, W.D., 1996, Quiescent-phase of a surge-type glacier—**Black Rapids Glacier**, Alaska, U.S.A.: Journal of Glaciology, v. 42, no. 140, p. 110-122.